



Partner Marketing Kit



Company's Growth

GWN Series Network Switches

GWN Series Network Switches

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GWN Series Network Switches


Sales Kit

The sales kit is a guide to everything you need to know about selling the GWN Series Network Switches

The Sales Kit includes:

- Overview and Basics
- Key Differentiators
- Comparison Charts
- Deployment Scenarios
- Integration with other Grandstream Products

GWN7800 Series - Enterprise Layer 2+ Switches Overview and Basics



About the GWN7800 Series


The GWN7800 series are Layer 2+ managed network switches that allow small-to-medium enterprises to build scalable, secure, high-performance, and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The PoE models provide smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points, and other PoE endpoints. The GWN7800 series can be managed in a number of ways, including the local network controller embedded in the web user interface of the GWN7800 series switch. The series is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform, and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform.

Product Positioning


The enterprise-grade GWN7800 series are ideal managed network switches for small-to-medium enterprises. Switches can be easily managed and configured with an entire GWN Wi-Fi access point deployment through GWN.Cloud or GWN Manager. The GWN7800 switches come with a wide range of features to allow them to be a backbone for any Wi-Fi access point or IP endpoint deployment.



Support for up to 24 Gigabit Ethernet ports



Management through embedded controller and GWN.Cloud and GWN Manager




Built-in QoS for prioritization of network traffic

GWN7800 Key Technical Specifications

	GWN7801(P)	GWN7802(P)	GWN7803(P)
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.3af/at, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s		
Gigabit Ethernet Ports	8	16	24
Max Output Power (PoE Models)	30W per Port, 120W Total	30W per Port, 240W Total	30W per Port, 360W Total
Switching Capability	20Gbps	40Gbps	56Gbps
Forwarding Rate	14.88M packets per second	29.76M packets per second	41.66M packets per second
Switching	8K static, dynamic and filtering MAC addresses, 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN, VLAN virtual interface, GVRP (pending), 8 link aggregation groups, Spanning tree, 64 instances for STP/RTSP/MSTP		

Enterprise Layer 2+ Switches



Features

Equipped with powerful performance, enterprise-grade up to 46Gbps, ideal choice for network routing, ports DHCP hosts within the network.

Management and Maintenance


GWN series switches not only have advanced management options through GWN.Cloud and GWN Manager, but also have a variety of tools to help monitor performance.

- Routers can be managed by Web GUI, CLI (Console, Telnet), and SNMP (v1/v2c/v3).
- Monitoring of CPU and memory usage. Supports common networking tools such as Ping, Traceroute, UDLD (TBD) and Copper Test to analyze networking issues.
- Supports RMON, Syslog, traffic statistics, and sFlow (pending) for network optimization.
- LLDP and LLDP-MED for automatic discovery, provisioning, and management of endpoint devices.
- Managed by GWN.Cloud, GWN Manager, and Embedded controller.

PoE Power Supply (PoE Models Only)

PoE power delivery complies with the IEEE 802.3af/at standards to meet the PoE power requirements for security monitoring, audio and video conferencing, wireless signal coverage and more.

- Supports setting user-defined time period to control the power supply of the PoE port.
- Priority setting of PoE ports; when remaining power is insufficient, it will power the ports based on priorities.
- Users can configure the maximum power allowed per port. The maximum limit is 30W per port.
- Dynamic power negotiation via LLDP-MED



GWN7830 Series Translations

[English](#)

[Spanish](#)

GWN7810/ GWN7820 Series

[English](#)

GWN7800 Series Translations

[English](#)

[Spanish](#)

L2 Lite Switches Translations

[English](#)

[Spanish](#)

GWN7700(P&PA) Series Translations

[English](#)

[Spanish](#)

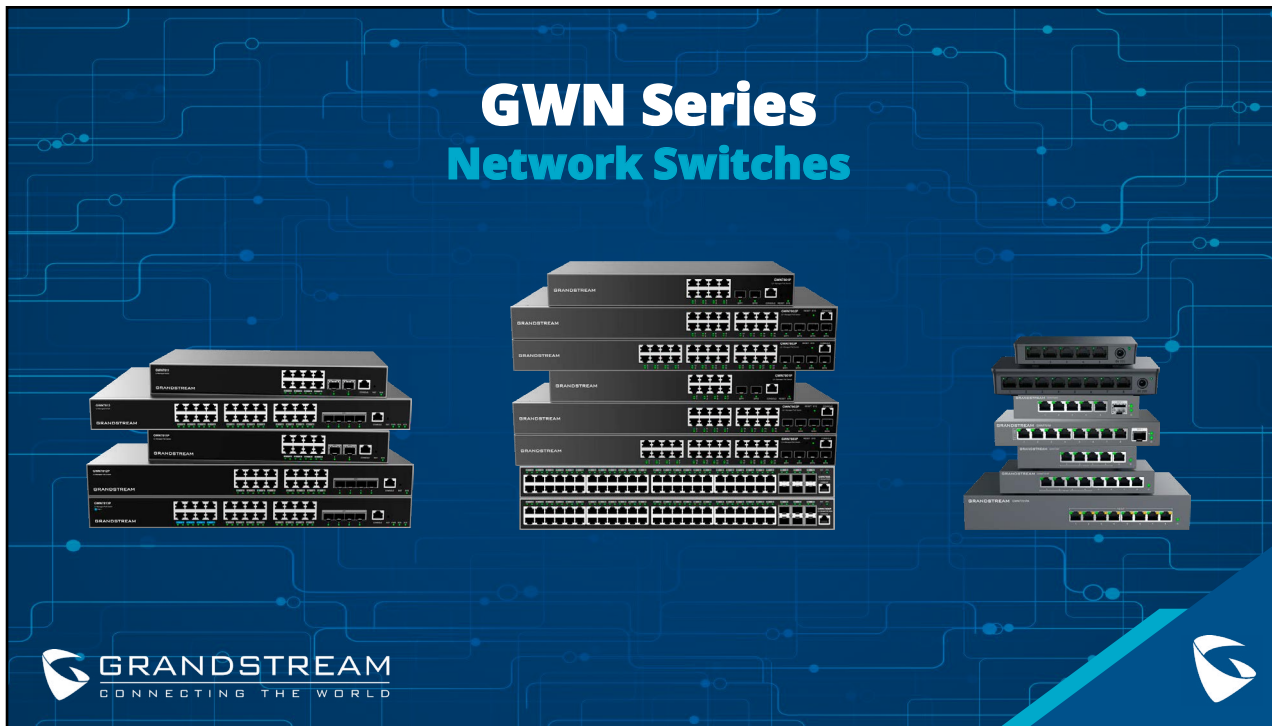
GWN7700M Series Translations

[English](#)

[Spanish](#)

GWN Series Network Switches

Presentation



Translations

[English \(PowerPoint\)](#)

[English \(PDF\)](#)

[Spanish \(PowerPoint\)](#)

[Spanish \(PDF\)](#)

GWN Series Network Switches

Comparison Charts

Comparison Charts are short one page resources that clearly highlight the features of Grandstream's products against competitors products or Grandstream's products within the same product line. They can be categorized into two main categories:

1. **Master Comparison Charts** - Comparing Grandstream's products against each other from the same product line.
2. **Grandstream Products vs Competition** - Comparing the features of Grandstream's products against similar competitor's products

Comparison Charts:

GWN7830 Series:

GWN7831 vs Competition

GWN7832 vs Competition

GWN7810 Series:

GWN7811P vs Competition

GWN7813P vs Competition

GWN7816 vs Competition

GWN7816P vs Competition

GWN7800 Series:

GWN7801P vs Competition

GWN7802P vs Competition

GWN7803P vs Competition

GWN7806 vs Competition

GWN7820 Series:

GWN7821P vs Competition

GWN7822P vs Competition

GWN7711(P) Series:

GWN7711P vs Competition

GWN7711 vs Competition

[illegible]

GWN7700(P & PA) Series:

GWN7700 vs Competition

GWN7700P vs Competition

GWN7701 vs Competition

GWN7701P vs Competition

GWN7701PA vs Competition

GWN7702 vs Competition

GWN7703 vs Competition

GWN7706 vs Competition

GWN7700M Series:

GWN7700M vs Competition

GWN7701M vs Competition

Master Comparison Charts:

[GWN7830 Series Master Chart](#)

GWN7810 Series Master Chart

GWN7800 Series Master Chart

GWN7700 Series Master Chart

GWN Series Network Switches

Product Messaging - GWN7801(P) - GWN7802(P) - GWN7803(P) Layer 2+ Managed Network Switches

Tagline	Layer 2+ Managed Network Switches		
Subhead	The GWN7800 series are Layer 2+ managed network switches that allow small-to-medium enterprises to build scalable, secure, high performance, and smart business networks that are fully manageable		
Target Audience	All environments where a communications and networking solution is deployed: enterprises, small-to-medium businesses, hospitality, schools, universities, call centers, healthcare, apartment buildings, etc.		
Product Description	The GWN7800 series are Layer 2+ managed network switches that allow small-to-medium enterprises to build scalable, secure, high performance, and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The PoE models provide smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The GWN7800 series can be managed in a number of ways, including the local network controller embedded in the web user interface of the GWN7800 series switch. The series is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform. The enterprise-grade GWN7800 series are the ideal managed network switches for small-to-medium businesses.		
Customer Challenges	An enterprise or business is building or expanding their communications and networking solution and needs to integrate all their endpoints, including IP phones, Wi-Fi APs, security cameras, intercoms, and more, with their centralized network across one or multiple locations.	A hotel, convention center and/or residential complex needs to deploy endpoint solutions around their facility, including Wi-Fi APs and routers, IP phones, security cameras, facility access devices, intercoms and more, to provide network access to guests, residents, and staff for communication and security purposes.	A school or university needs to build or expand their network to support the wealth of internet-connected devices utilized for educational purposes, including smart classroom devices, Wi-Fi APs, voice/video phones, security cameras, intercoms and more. The university also needs to provide network and communication access to student dormitories and staff offices.
Customer Solutions	The GWN7800 Series provides six model options, including PoE and non-PoE options with up to 24 ports, to allow any facility to seamlessly integrate all endpoint solutions with their network and provide them a network connection. By utilizing PoE models, the GWN7800 Series provides an easy way to power all endpoints as well. By adding free cloud, software, or embedded management, built-in QoS for traffic prioritization and support for IPv4 and IPv6 environments, the GWN7800 Series provide the performance, security, and manageability to suit all network requirements - from small offices all the way to multi-national enterprises.		

GWN Series Network Switches

Product Messaging - GWN7806(P)

Layer 2+ Managed Network Switch

Tagline	Enterprise-Grade Layer 2+ Managed Network Switch		
Subhead	The GWN7806(P) is a high-performance layer 2+ managed network switch with 48 ports that allows small-to-medium enterprises to build scalable, secure, and smart business networks that are fully manageable.		
Target Audience	Users who require high-performance networks with maximum network capacity and many devices, including enterprises, small-to-medium businesses, hotels, convention centers, call centers, universities and more.		
Product Description	The GWN7806(P) is 48-port layer 2+ managed network switch that allows small-to-medium enterprises to build scalable, secure, high performance and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The GWN7806P provides smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. GWN7806(P) is easy to deploy and manage, including managed by the local Web user interface of the GWN7806(P) switch and CLI, the command-line interface. The switch is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform. The GWN7806(P) is the best value enterprise-grade managed switch for small-to-medium businesses.		
Customer Challenges	An enterprise or business is building or expanding their critical, high-performance communications and networking solution and needs to ensure reliable, high-speed network access throughout their facility. They also need to integrate all their endpoints, including IP phones, Wi-Fi APs, security cameras, intercoms, and more, with their centralized network across one or multiple locations.	A hotel, convention center and/or residential complex needs to deploy endpoint solutions around their facility, including Wi-Fi APs and routers, IP phones, security cameras, facility access devices, intercoms and more, to provide network access to guests, residents, and staff for communication and security purposes.	A school or university needs to build or expand their network to support the wealth of internet-connected devices utilized for educational purposes, including smart classroom devices, Wi-Fi APs, voice/video phones, security cameras, intercoms and more. The university also needs to provide network and communication access to student dormitories and staff offices.
Customer Solutions	The GWN7806(P) provides a 48-port, high-performance layer 2+ network switch that includes a suite of enhanced reliability features, making it perfect for any deployment that requires maximum network speeds and expanded network control. 48 ports allow the GWN7806(P) to support many devices, support for stacking allows up to 16 GWN7806(P)s to be managed centrally while creating redundant backups, and added reliability features including fault detection dual system file redundancy ensure that critical network access is always reliable and secure. By adding free cloud, software, or embedded management, built-in QoS for traffic prioritization and support for IPv4 and IPv6 environments, the GWN7806(P) provides the performance, security, and manageability to suit high-performance network requirements.		

GWN Series Network Switches

Product Messaging - GWN7830 Series / GWN7820 Series / GWN7810 Series Layer 3 Managed Network Switches

Tagline	Enterprise-Grade Layer 3 Managed Network Switches
Subhead	Build scalable, secure, and high-performance enterprise networks with Grandstream's layer 3 network switches, which include aggregation and multi-gigabit options
Target Audience	Enterprises and medium-to-large businesses who require high-performance networks with maximum network capacity and control
Product Description	<p>The GWN Series includes a full suite of layer 3 network switches to allow enterprises to build high-performance, secure, and scalable information and communication solutions.</p> <ul style="list-style-type: none">• The GWN7830 Series provides layer 3 aggregation switches that support up to 240Gbps switching capacity with SFP and SFP+ ports, along with available redundant power supplies. Three model options provide 2 or 4 Gigabit ports, 6 or 24 Gigabit SFP ports, and 4 or 12 SFP+ ports.• The GWN7820 Series are layer 3 multi-gigabit switches that support up to 152Gbps switching capacity with multiple SFP+ ports and PoE output up to 60W per port. Two model options provide 8 or 24 gigabit ports and 2 or 4 SFP+ ports.• The GWN7810 Series are layer 3+ switches that support up to 128Gbps switching capacity with multiple SFP+ ports, PoE output up to 60W per port, and available redundant power supplies. Five model options provide 8, 16, or 24 Gigabit ports and 2 or 4 SFP+ ports. <p>GWN Series layer 3 switches provide an advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. They can be managed from the cloud with GDMS or using our on-premise software, GWN Manager. With complete end-to-end quality of service, flexible security settings, and support for maximum network capacity, GWN Series layer 3 switches provide high-performance network switching, ideal for medium-to-large deployments.</p>
Customer Challenges Solved	An enterprise or large business is building or expanding their critical, high-performance communications and networking solution and needs to ensure reliable, high-speed network access throughout their facility. They need to integrate hundreds or thousands of endpoints, including IP phones, Wi-Fi APs, security cameras, intercoms, and more, with their centralized network across one or multiple locations. They also need the ability to have maximum control of their network and the devices on it with the ability to monitor their networks through their network switches.

GWN Series Network Switches

Product Messaging - GWN7711(P) / GWN7710R

Layer 2 Lite Managed Network Switches

Tagline	Layer 2 Lite Managed Network Switches		
Subhead	The GWN7711 Series are Layer 2 lite managed network switches that allow small-to-medium businesses to build scalable, secure, and smart networks that are cloud manageable		
Target Audience	Small-to-medium deployments, including small-to-medium businesses, hotels, schools, healthcare, residential, and more		
Product Description	The GWN series of Layer 2 lite managed network switches allow small-to-medium businesses to build scalable, secure, and smart business networks that are easy to use and cloud manageable. They support VLAN for flexible and sophisticated traffic segmentation, QoS for prioritization of network traffic, IGMP Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The L2 Lite switches provide both outdoor and indoor options and offer up to 6 PoE ports for smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The PoE-capable model can also support 24V DC passive PoE-out mode. The switches are easy to manage through the local web user interface and the cloud using the Grandstream Device Management System (GDMS). By supporting both desktop and wall-mount installation, this series is suitable for hotels, home offices, small-to-medium businesses, and more. Thanks to a comprehensive suite of customizable switching features, available 24V DC passive PoE mode, and easy cloud management, the series are the ideal managed network switches for small-to-medium sized deployments.		
Customer Challenges	A small-to-medium business is building or expanding their communications and networking solution and needs to integrate all their endpoints, including IP phones, Wi-Fi APs, security cameras, intercoms, and more, with their centralized network across one or multiple locations.	A hotel, convention center and/or residential complex needs to deploy endpoint solutions around their facility, including Wi-Fi APs and routers, IP phones, security cameras, facility access devices, intercoms and more, to provide network access to guests, residents, and staff for communication and security purposes.	A school needs to build or expand their network to support the wealth of internet-connected devices utilized for educational purposes, including smart classroom devices, Wi-Fi APs, voice/video phones, security cameras, intercoms and more. The university also needs to provide network and communication access to student dormitories and staff offices.
Customer Solutions	The L2 Lite managed switches provide model options for indoor and outdoor usage, including PoE and non-PoE options, each with up to 8 ports, to allow any facility to seamlessly integrate all endpoint solutions with their network and provide them a network connection. The PoE-capable GWN7711P provides an easy way to power all endpoints as well and adds support for 24V DC passive PoE output. By adding free cloud or Web UI management, built-in QoS for traffic prioritization and support for IPv4 and IPv6 environments, the Layer 2 Lite Series provide the performance, security, and manageability to suit all medium-sized network deployments		

GWN Series Network Switches

Product Messaging - GWN7700(P&PA) Series Unmanaged Network Switches

Tagline	Unmanaged Network Switches		
Subhead	The GWN7700 series are unmanaged network switches that provide a quick and cost-effective way to add high-speed Gigabit connectivity to home offices and small-to-medium sized businesses.		
Target Audience	Small-to medium businesses, homes/home offices, and similar smaller deployments		
Product Description	The GWN7700 series are unmanaged network switches that provide a quick and cost-effective way to add high-speed Gigabit connectivity to home offices and small/medium businesses. It requires no configuration or installation, offers a desktop and wall-mountable design, and provides auto MDI/MDIX to eliminate the need for crossover cables. Each port supports auto-negotiation to allow the GWN7700 series to recognize the link speed of any 10/100/1000Mbps network device and intelligently adjust for compatibility and optimal performance. The PoE (Power-over-Ethernet) models provide ports with IEEE 802.3af/at compliant, smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The plug-and-play GWN7700 series are the ideal unmanaged network switches for home offices and small-to medium businesses.		
Customer Challenges	A small office needs to deploy or expand their office network with communication endpoints, Wi-Fi APs, routers and facility access/surveillance to allow staff to work and stay connected throughout the space.	A home office needs a solution to provide network connection and power to critical devices required to keep the home office connected, including computers, laptops, printers, desktop phones, cordless phones, routers, Wi-Fi APs, security cameras, TVs, and more.	A home or residential complex is deploying a home security, home automation and/or smart home solutions and needs to provide internet connection and power to these devices, including security cameras, display panels/stations, intercoms, Wi-Fi APs, doorbell cameras, smart HVAC devices, smart lighting systems, etc.
Customer Solutions	The GWN7700 Series provides plug-and-play network switches that make it quick and easy to deploy or expand any office communications and networking deployment while offering a range of models with and without PoE to provide the ideal models for every small office deployment.	The plug-and-play GWN7700 Series requires no configuration or installation at all, making them ideal for home office users. One GWN7700 device can provide power and connection for all devices within a home office. With a suite of models to choose from, the ideal model for every home office exists within the GWN7700 Series.	By offering true plug-and-play capability, the GWN7700 Series are the ideal network switches for smart home, security, and home automation installations. These sleek and streamlined models make it easy to provide network connection and power to any area of the home, and the wide range of models provides the best solution for every need.

GWN Series Network Switches



Product Messaging - GWN7700M - GWN7700MP - GWN7701M 2.5G Multi-Gigabit Unmanaged Network Switches

Tagline	Unmanaged 2.5G Multi-Gigabit Network Switches	
Subhead	The GWN7700M, GWN7700MP and GWN7701M are 6 & 9 port unmanaged multi-Gigabit network switches that provide high-speed network connectivity up to 2.5Gbps to home offices and small-to-medium businesses	
Target Audience	Small-to medium businesses, homes, home offices, and similar smaller deployments that require advanced speeds to support HD video meetings, streaming media, large file transfers, home automation, 4k gaming and video streaming, etc.	
Product Description	These devices are unmanaged multi-Gigabit network switches that provide high-speed network connectivity up to 2.5Gbps to home offices and small-to-medium businesses. The se 6 and 9-port multi-Gigabit switches support fast Ethernet, 1-Gigabit and 2.5-Gigabit network speeds while including 1 SFP+ Gigabit fiber port that provides 1-Gigabit or 10-Gigabit high-speed uplink connectivity to your network. The GWN7700M, GWN770MP, and GWN77001M require no configuration or installation, are desktop and wall-mountable, and provide auto MDI/MDIX to eliminate the need for crossover cables. They support auto negotiation on each port to recognize the speeds of 100/1000/2500Mbps network devices and intelligently adjust f or compatibility and optimal performance. The GWN7700MP provide ports with IEEE 802.3af/at compliant, smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The plug-and-play GWN7700M, GWN7700MP, and GWN7701M are the ideal unmanaged network switches for home offices and small-to-medium businesses that require high-speed, multi-Gigabit connectivity.	
Customer Challenges	A small-to-medium business is building, expanding or updating their office network and requires advanced high-speed connectivity since they rely on HD video meetings, large file transfers, streaming media and similar bandwidth-intensive activity.	A home or home office requires switches to provide advanced high-speeds to devices throughout the house to support home automation, smart home solutions, a busy home office, 4k video streaming, 4k online gaming, and more.
Customer Solutions	The GWN7700M Series is ideal for SMBs that require high-speed connectivity throughout their office as it supports speeds up to 2.5Gbps. These easy-to-use multi-gigabit network switches are plug-and-play as they require no setup or configuration.	Homes are more connected then ever before and often require consistent high-speed network access in order to keep the home safe, secure and connected. The GWN7700M Series is ideal for the connected home as it provides speeds up to 2.5Gbps, ideal for a home network of computers, laptops, TVs, smart devices, phones, HVAC, intercom, surveillance, home automation platforms and more.

GWN Series Network Switches

GWN7801(P) - GWN7802(P) - GWN7803(P)


Layer 2+ Managed Network Switches




Enterprise Layer 2+ Managed Network Switch

GWN7801(P) - GWN7802(P) - GWN7803(P)


The GWN7800 series are Layer 2+ managed network switches that allow small-to-medium enterprises to build scalable, secure, high performance, and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The PoE models provide smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The GWN7800 series can be managed in a number of ways, including the local network controller embedded in the web user interface of the GWN7800 series switch. The series is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform. The enterprise-grade GWN7800 series are the ideal managed network switches for small-to-medium businesses.




8/16/24 Gigabit Ethernet ports and 2/4 Gigabit SFP ports




Smart power control to support dynamic PoE/PoE+ power allocation per port for the PoE models




Supports deployment in IPV4 and IPV4 networks



Provides quaternary binding of IP, MAC, VLAN & port; ARP inspection, IP Source Guard, DoS protection, port security & DHCP snooping



Embedded controller to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform



Built-in QoS allows for prioritization of network traffic

	GWN7801	GWN7801P	GWN7802	GWN7802P	GWN7803	GWN7803P
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af/at, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1s, IEEE 802.1x					
Gigabit Ethernet Ports	8		16		24	
Gigabit SFP Ports	2		1		4	
Console						
# of PoE Ports	/	8	/	16	/	24
Integrated Power Supply	30W	150W	30W	270W	30W	400W
Max Output Power per PoE Port	/	30W	/	30W	/	30W
Max Total PoE Output Power	/	120W	/	240W	/	960W
PoE Standards	/	IEEE 802.3af/at	/	IEEE 802.3af/at	/	IEEE 802.3af/at
Auxiliary Ports			1x Reset Pinhole			
Forwarding Mode			Store-and-forward			
Total non-blocking throughput	10Gbps		20Gbps		28Gbps	
Switching Capability	10Gbps		40Gbps		56Gbps	
Forwarding Rate	14.88M packets per second		29.76M packets per second		41.66M packets per second	
Packet Buffer			41MB			
Switching	• 8K static, dynamic and filtering MAC addresses • 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN • VLAN virtual interface (VRF) (pending) • 8 link aggregation groups • Spanning tree, 64 instances for STP/RSTP/MSTP					
Multicast	IGMP Snooping, MLD Snooping, MVR					
QoS/ACL	• Auto detection and prioritization of voice/video/RTSP/other latency-sensitive packets (pending) • Port priority • Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ • Traffic shaping • Rate limit • 1.5K ACL for Ethernet, IPv4 and IPv6					
DHCP	DHCP server, DHCP relay, Option 82, 60, 160 and 43					
Maintenance	CPU and memory monitoring, SNMP, RMON, LLDP/LLDP-MED, backup and restore, syslog, alert, diagnostics including Ping, Traceroute, port mirroring, UDLD(XBID) and copper test					
Security	• User hierarchical management and password protection, HTTPS, SSH, Telnet • 802.1X authentication • AAA authentication including RADIUS, TACACS+ • Storm control • Port isolation, port security, sticky MAC • Filtering MAC address • IP source guard, DoS attack prevention, ARP inspection • DHCP Snooping • Loop protection including BPDU protection, root protection and loopback protection • Kensington Security Slot (Kensington Lock) support					
Mounting	Desktop, wall-mount, or rack-mount (rack-mount brackets included)					
LEDs	1x tri-color LED for device tracking and status indication, 10x green LEDs for data ports, 8x yellow LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 10x green LEDs for data ports, 8x yellow LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 20x green LEDs for data ports, 16x yellow LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 20x green LEDs for data ports, 16x yellow LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 28x green LEDs for data ports, 24x yellow LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 28x green LEDs for data ports, 24x yellow LEDs for PoE ports
Fan	/	/	/	/	/	2
Environmental	Operation: 0°C to 45°C, humidity 10-90% RH (Non-condensing) Storage: -10°C to 60°C, humidity 5% to 95% (Non-condensing)					
Dimensions	30mm(L) x 175mm(W) x 44mm(H)					
Unit Weight	1.8kg	2kg	2.6kg	3kg	2.7kg	3.3kg
Package Content	Switch, 1x 1.2m(10A) AC Cable, 1x Ground Cable, 4x Rubber Feet, 2x Lug Ear					
Compliance	FCC, CE, RoHS, RE, UNCE					

www.grandstream.com

03.2022.01

Translations

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GWN Series Network Switches

GWN7806(P)


Layer 2+ Managed Network Switch



Enterprise Layer 2+ Managed Network Switch


GWN7806(P)

The GWN7806(P) is layer 2+ stackable(pending) managed network switch that allows small-to-medium enterprises to build scalable, secure, high performance and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The GWN7806P provides smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. GWN7806(P) is easy to deploy and manage, including managed by the local Web user interface of the GWN7806(P) switch and CLI, the command-line interface. The switch is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform. The GWN7806(P) is the best value enterprise-grade managed switch for small-to-medium businesses.




Gigabit

48 Gigabit Ethernet ports and 6 Gigabit SFP+ ports




PoE

Smart power control to support dynamic PoE/PoE+ power allocation per port for the PoE models




IPV6

Supports deployment in IPv6 and IPv4 networks




Reliability

Reliability features including fault detection, device protection, dual boot, dual system file redundancy, link aggregation, storm control, and more




Security

ARP Inspection, IP Source Guard, DoS protection, port security & DHCP snooping




Controller

Embedded controller to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform



QoS

Built-in QoS allows for prioritization of network traffic



Stacking

Supports stacking (pending) for easy management of up to 16 switches in one interface while creating redundant backup between multiple devices

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	GWN7806	GWN7806P
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3af/at, IEEE 802.1p, IEEE 802.1Q, IEEE 802.3AB, IEEE 802.1p, IEEE 802.1D, IEEE 802.1x, IEEE 802.1w, IEEE 802.1x	
Gigabit Ports	48	
SFP+ Ports	6	
Console	1	48
# of PoE Ports	/	48
Integrated Power Supply	60W	470W
Maximum Output Power Per PoE Port	/	30W
Max Total PoE Output Power	/	400W
PoE Standards	/	IEEE 802.3af/at
Auxiliary Ports	1x Reset Pinhole	
Forwarding Mode	Store-and-forward	
Total non-blocking throughput	108Gbps	
Switching Capability	216Gbps	
Forwarding Rate	160.704Mpps	
Packet Buffer	16Mb	
Switching	<ul style="list-style-type: none">• 32K static, dynamic and filtering MAC addresses• 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN• VLAN virtual interface• GVRP (pending)• 27 link aggregation• Spanning tree, 64 instances for STP/RSTP/MSTP	
Routing	Static routing	
Multicast	<ul style="list-style-type: none">• IGMP Snooping• MLD Snooping• MVR (pending)	
QoS/ACL	<ul style="list-style-type: none">• Port priority• Priority mapping• Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ• Traffic shaping• Rate limit• 8K ACL for Ethernet, IPv4 and IPv6	
DHCP	DHCP server, DHCP relay, DHCP Option 82, 60, 160 and 43	
Maintenance	<ul style="list-style-type: none">• CPU and memory monitoring, SNMP, RMON, LLDP&LLDP-MED, backup and restore, syslog, diagnostics including Ping, Traceroute, port mirroring, UDLD(TBD) and copper test• User hierarchical management and password protection, HTTP, SSH, Telnet• 802.1X authentication• AAA authentication including RADIUS, TACACS+• Storm control• Port isolation, port security, sticky MAC• Filtering MAC address• IP source guard, DoS attack prevention, ARP inspection• DHCP Snooping• Loop protection including BPDU protection, root protection(pending) and loopback protection(pending)• Kensington Security Slot (Kensington Lock) support	
Security		
Mounting	Desktop, Rack-mount(rack-mounting kits included)	
LEDs	<ul style="list-style-type: none">• 1x tri-color LED for device tracking and status indication• 54x green-color LEDs for data transferring• 48x yellow-color LEDs for PoE powered (GWN7806P)	
Fan	3	
Environmental	<ul style="list-style-type: none">• Operation: 0°C to 45°C, humidity: 10% to 90% RH(Non-condensing)• Storage: -10°C to 60°C, humidity: 10% to 90% RH(Non-condensing)	
Dimensions	440mm(L)x301mm(W)x44mm(H)	
Unit Weight	4.0kg	5.1kg
Package Content	Switch, 1x 1.2m(10A) AC Cable, 1x 25cm Ground Cable, 4x Rubber Footpads, 2x Rack-Mounting Kits, 8x Screws(PM 3*6), 1x Power Cord Anti-Trip, 1x Quick Installation Guide, 1x Console Cable(Optional)	
Compliance	FCC, CE, RCM, IC, UKCA	

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Translations

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GWN Series Network Switches

GWN7811(P) - GWN7812(P) - GWN7813(P)

Layer 3 Managed Network Switches




Enterprise Layer 3 Managed Network Switch


GWN7811(P) - GWN7812(P) - GWN7813(P)

The GWN7810 series are Layer 3 managed network switches that allow medium-to-large enterprises to build scalable, secure, high performance and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The PoE models provide smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. GWN7810 series can be managed in a number of ways, including the local Web user interface of the GWN7810 series switch and CLI, the command-line interface. The series is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform. The GWN7810 series are the best value enterprise-grade managed network switches for medium-to-large businesses.




Gigabit

8/16/24 Gigabit Ethernet ports and 2/4 10Gigabit SFP+ ports




PoE

Smart power control to support dynamic PoE/PoE+ power allocation per port for the PoE models. Ports 1-8 on the GWN7813P supports PoE++




IPV4

Supports deployment in IPv6 and IPv4 networks




Security

ARP Inspection, IP Source Guard, DoS protection, port security & DHCP snooping



Controller

Embedded controller to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform



QoS

Built-in QoS allows for prioritization of network traffic

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	GWN7811	GWN7811P	GWN7812P	GWN7813	GWN7813P
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3af, IEEE 802.3at, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1s, IEEE 802.1x, IEEE 802.3ad, IEEE 802.3ab, IEEE 802.1p, IEEE 802.1x, IEEE 802.1y				
Gigabit Ethernet Ports	8	16	24	24	24
10Gigabit SFP+ Ports	2	1	4	4	4
Console	1	1	1	1	1
# of PoE Ports	16	16	16	16	24
Link Aggregation	1	1	1	1	1
External Redundant Power Supply (RPS)	1	1	1	12V/5A(60W)	54V(300W)
Max Output Power per PoE Port	30W	30W	30W	30W	60W(1.8PoE+)
Max Total PoE Output Power	120W	240W	240W	120W	360W
PoE Standards	IEEE 802.3af/at, IEEE 802.3af/at, IEEE 802.3af/at, IEEE 802.3af/at, IEEE 802.3af/at				
Auxiliary Ports	1x Reset Pinhole				
Forwarding Mode	Store-and-forward				
Total non-blocking throughput	28Gbps	56Gbps	56Gbps	64Gbps	64Gbps
Switching Capability	56Gbps	112Gbps	112Gbps	128Gbps	128Gbps
Forwarding Rate	41.64Mpps	83.28Mpps	83.28Mpps	95.23Mpps	95.23Mpps
Packet Buffer	12MB				
Switching	<ul style="list-style-type: none"> 16K static, dynamic and filtering MAC addresses 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN VLAN virtual interface GVRP (pending) Spanning tree, 32 instances for STP/RSTP/MSTP 				
Routing	<ul style="list-style-type: none"> Static routing Dynamic routing, including RIP, RIPv2, OSPF and OSPFv3 Policy routing (pending) 				
Multicast	<ul style="list-style-type: none"> IGMP Snooping MLD Snooping MLD (pending) 				
QoS/ACL	<ul style="list-style-type: none"> Port priority Priority mapping Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ Traffic shaping Rate limit 2K ACL for Ethernet, IPv4 and IPv6 				
DHCP	DHCP server, DHCP relay, DHCP Option 82, 60, 160 and 43				
Maintenance	CPU and memory monitoring, SNMP, RMON, LLDP/LLDP-MED, backup and restore, syslog, diagnostics including Ping, Traceroute, port mirroring, UDD (T80) and copper test				
Security	<ul style="list-style-type: none"> User hierarchical management and password protection, HTTPS, SSH, Telnet 802.1X authentication AAA authentication including RADIUS, TACACS+ Storm control Port isolation, port security, sticky MAC Filtering MAC address IP source guard, DoS attack prevention, ARP inspection DHCP Snooping Loop protection including BPDU protection, root protection(pending) and loopback protection(pending) Kensington Security Slot (Kensington Lock) support 				
Mounting	Desktop, Wall Mount, or Rack Mount(rack-mounting kits included)				
System LEDs	1x tri-color LED for device tracking and status indication				
Power Supply LEDs	1	1	1	2x bi-color LEDs for per power supply PWR&RPS	2x bi-color LEDs for per power supply PWR&RPS
Data Transferring LEDs	10x green-color LEDs	20x green-color LEDs	20x green-color LEDs	28x green-color LEDs	28x green-color LEDs
PoE Powered LEDs	16x yellow-color LEDs	16x yellow-color LEDs	16x yellow-color LEDs	24x yellow-color LEDs	24x yellow-color LEDs
Fan	1	2	2	1	3
Environmental	Operation: 0°C to 45°C, humidity 10-90% RH(Non-condensing) Storage: -10°C to 60°C, humidity 5% to 95% RH(Non-condensing)				
Dimensions	330mm(L)x176mm(W)x44mm(H)	440mm(L)x200mm(W)x44mm(H)	440mm(L)x200mm(W)x44mm(H)	440mm(L)x200mm(W)x44mm(H)	440mm(L)x200mm(W)x44mm(H)
Unit Weight	1.45Kg	2.17Kg	3.03Kg	2.94Kg	4.69Kg
Package Content	<ul style="list-style-type: none"> 1x Switch 1x 1.2m(39.4") AC Cable 1x 25cm Ground Cable 4x Rubber Feet/pads 1x Power Cord Anti-Trip 8x Screws (M4 3#) 1x Quick Installation Guide 1x Console Cable(Optional) 				
	2x Extended Rack-Mounting Kits		2x Rack-Mounting Kits		
	1		1x RPS, External Redundant Power Supply (Optional)		
Compliance	FCC, CE, RoHS, IC, UKCA				

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Translations

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GWN Series Network Switches

GWN7711 (P)

Layer 2 Lite Managed Network Switches

Translations

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Layer 2 Lite Managed Network Switches
GWN7711(P) Series


The GWN7711(P) series are Layer 2 Lite managed network switches that allow small-to-medium businesses to build scalable, secure, and smart business networks that are easy to use and cloud manageable. They support VLAN for flexible and sophisticated traffic segmentation, QoS for prioritization of network traffic, IGMP Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The GWN7711(P) provides 4 PoE ports for smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. This PoE-capable model also supports 24V DC/48V DC passive PoE-out mode. The GWN7711(P) Series are easy to manage through the embedded controller, and is also supported by GOMS Networking and GWN Manager, Grandstream's cloud and on-premise network management platform. By supporting both desktop and wall-mount installation, these Layer 2 Lite switches are suitable for hotels, home offices, small-to-medium businesses, and more. Thanks to a comprehensive suite of customizable switching features, the GWN7711(P) series are the ideal managed network switches for small-to-medium sized deployments.




8 Gigabit Ethernet ports




Smart power control to support dynamic PoE/48V+ power allocation per port for the PoE mode




Supports Loop Detection, Cable Test and Port Mirror to quickly locate network faults




IGMP Snooping to improve multicast forwarding efficiency




LLDP for automatic discovery, provisioning and management of endpoint devices



GOMS Networking and GWN Manager, Grandstream's cloud and on-premise network management platform, Embedded controller to manage switch



Broadcast/Multicast/Unicast Storm Control to monitor traffic levels



Built-in QoS allows for prioritization of network traffic

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	GWN7711	GWN7711P
Network Protocol	IPv4, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3x, IEEE 802.3y, IEEE 802.3af, IEEE 802.3at	
Gigabit Ethernet Ports	4	4
PoE Out Ports	4	4
Power Supply	External SVDC/5A	External 48-51.5VDC/1.22A
PoE Output	/	<ul style="list-style-type: none"> Port 1-4 support 802.3af/802.3at standard PoE out Up to 30W per port PoE out, total 60W Power Budget Port 1-4 support 48VDC Passive mode w/o Port 1 (up to 30W) 24V-Apex V4 mode 1.3A Apex V4 mode Pass, 1.2A (V1), 1.4A (V2) Port 2-4 (up to 10W) 24V-Apex mode, 0.8A Port 1-4 (up to 10W) 24V-Apex mode, 0.8A Port 1-4 (up to 10W) 24V-Apex mode, 0.8A
Max Total PoE Output Power	/	60W
Maximum Output Power per PoE Port	/	30W
Auxiliary Ports	1x Serial Console	1x Serial Console
Forwarding Mode	Store and Forward	Store and Forward
Total non-blocking throughput	100Gbps	100Gbps
Switching Capability	100Gbps	100Gbps
Jumbo Frame	2K/3K/4K/5K/6K/7K/8K/9K/12K/15K	2K/3K/4K/5K/6K/7K/8K/9K/12K/15K
Forwarding Mode	1x Store and Forward	1x Store and Forward
Packet Buffer	4096	4096
MAC	8K MAC address capacity	8K MAC address capacity
VLAN	Support MAC address search	4K VLANs
LAG	Port-based VLAN, 802.1Q VLAN	4
Multicast	IGMP Snooping, Report Message Suppression	
QoS	<ul style="list-style-type: none"> Auto prioritization of the incoming port of the packet Priority Mapping Queue scheduling, including IP DSCP, WRED Supports port priority, 802.1p priority and DSCP priority Bandwidth control Storm control Rate limit 	
DHCP	Backup and restore, system reboot, factory reset, firmware upgrade, monitoring including port statistics, port mirroring, cable test and loop prevention, ping and port watchdog	DNCP alone
Maintenance	<ul style="list-style-type: none"> Store control Port VLAN isolation Filtering MAC address Nonstream Security that (Nonstream) L2/L3 support 	
Mounting	Desktop/Wall-mount	Desktop/Wall-mount
LED Indicators	Per Port Link/Activity - Green	Per Port Link/Activity - Green
Environmental	<ul style="list-style-type: none"> Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -20 to 60 °C (-4 to 140 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing 	
Dimensions (LxWxH)	<ul style="list-style-type: none"> Unit: 164 x 88 x 20mm Package: 202 x 168 x 45mm 	<ul style="list-style-type: none"> Unit: 164 x 88 x 20mm Package: 202 x 168 x 45mm
Enclosure	Unit: 0.5kg	Unit: 0.4kg
Weight	Unit: 0.5kg	Unit: 0.4kg
Package Content	1x Switch, 1x QoS, 1x Power Adapter	1x Switch, 1x QoS, 1x Power Adapter
Compliance	FCC, CE, RoHS, RE	FCC, CE, RoHS, RE

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GWN7711(P) PoE & VLAN Feature


- The switch will maintain PoE power supply during the soft restart to ensure data such as camera feeds are not lost.
- Real-time dynamic display and control of PoE power to detect anomalies in a timely manner.
- PoE port supports dynamic configuration for non-standard 24VDC and 802.3af/at to ensure the compatibility with various APs and cameras.
- Supports port VLAN and 802.1Q VLAN, allowing users to flexibly divide VLANs according to the requirements.

Passive PoE output Mode

PINS	TS68A Color	TS68B Color	2-Pair	4-Pair
1	Orange	Orange	DC	DC
2	Green	Green	DC	DC
3	Blue	Blue	DC	DC
4	Brown	Brown	DC	DC
5	White	White	DC	DC
6	Yellow	Yellow	DC	DC
7	Black	Black	DC	DC
8	Grey	Grey	DC	DC

*4-Pair: power on pins 1,2,3,5(x) 3,6,7,8(x) *2-Pair: power on pins 4,5(x) 7,8(x)


Deployment Case: 802Q VLAN Trunk for Multi-Dedicated SIP Trunking



Using VLAN Trunking to merge multiple RTP streams into a single port connecting to UCM and merge Internet and IPTV into another port connecting to router and switch.

- Port 1:** Access VLAN 10 ITSP 1 SIP trunk
- Port 2:** Access VLAN 20 ITSP 2 SIP trunk
- Port 4:** Trunk VLAN10/20 to UCM
- Port 7:** Access VLAN 30 Internet service
- Port 8:** Trunk VLAN30/40 to Router

Deployment Case: PoE & VLAN Isolation for IP Camera



Use VLAN to isolate the IP Camera/Internet/IPTV traffic. Use link aggregation to increase upstream bandwidth.

- Port 1:** 24V/48V 4 Pair Passive PoE Camera
- Port 2:** 24V 2 Pair Passive PoE Camera
- Port 3:** 802.3af PoE IP Video Intercom System
- Port 4:** Network Equipment PC, printer, etc.
- Port 5:** SIP SIP Phone, etc.
- Port 7-8:** Uplink Aggregation Group

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GWN Series Network Switches

GWN7710R

Layer 2 Lite Managed Network Switches

Translations

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6-Port Outdoor L2 Lite Managed Switch

GWN7710R


The GWN7710R is a 6-Port (5G+1SFP) Outdoor Lite Managed PoE Switch that features an IP66-rated waterproof and dustproof casing to protect against harsh weather conditions, including rain, snow, and high temperatures. To ensure a stable and powerful network performance, the GWN7710R supports flexible and complex traffic segmentation with global or per port VLANs, provides DSCP/802.1p QoS priority management modes, bandwidth control, and storm control. It provides 4 Gigabit ports that provide passive PoE++ output, 1 Gigabit port with PoE++ input, and one 2.5G SFP port. The GWN7710R can be managed in a variety of ways, including locally through web user interface, through the cloud with GOMS, and on-premises with GWN Manager. This outdoor lite managed switch supports pole, DIN-rail, and wall-mounted installation to support a variety of outdoor and indoor applications. With the GWN7710R, users can build scalable, secure, high-performance, and easy-to-manage business networks for outdoor locations, hotels, restaurants, parks, campuses, public areas, and more.




5 Gigabit S/4 ports (4 PoE output ports, 1 PoE input port)




IEEE 802.3 atof or 24V/48V DC passive PoE out. Up to 60W on Port 1 and up to 30W on Port 2-4. Supports PoE Watchdog function




SFP Fiber Port for long distance transmission




DHCP Snooping - Only allow DHCP packets from trusted ports to keep the enterprise DHCP environment safe




IP66 dustproof and waterproof rating. Wide operating temperature range -40°C and 60°C



Supports convenient and intelligent local Web configuration, GWN Manager, and GOMS Network Management



STP/RSTP to guarantee fast convergence, ensure network stability and provide link load balance and redundancy



Built-in QoS allows for prioritization of network traffic

Network Protocol	IPv4, IEEE 802.1Q, IEEE 802.1X, IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Communication Ports	1x Gigabit SFP Port 1x 10/100/1000 SFP Port
Power Supply	120V/240V Input Standard PoE++ PoE++
PoE In and PoE Out Ports	PoE Port 1, Port 2, Port 3, Port 4 Passive 24VDC or 48VDC output mode (configured via UI)
PoE Output	Powered by Standard PoE++ 802.3af/3at 802.3af input: 30W output budget 802.3at input: 100W output budget 802.3at input: 60W output budget
PoE Output Power Budget	Powered by DC in (120V-270V) DC in=24V: 100W output budget DC in=48V: 200W output budget DC in=54V: 100W output budget
Note When using the DC input, the budget of PoE output depends on the external DC input power:	
Standard PoE output Mode:	Port 1: Port 4 up to 30W on each PoE port; Port 2: Port 3: 2-port 48V DC up to 30W or 2-port 24V DC up to 15W
Max Output Power Per Port	Port 1: 4-port 48V DC up to 30W or 4-port 24V DC up to 15W Port 2: 2-port 48V DC up to 30W or 2-port 24V DC up to 15W
Auxiliary Ports	1x Reset Button
Forwarding Mode	Store-and-forward
Total non-blocking throughput	10Gbps
Switching Capability	10Gbps
Jumbo Frame	9K (up to 16K)
Forwarding Rate	1.5Mpps
Packet Buffer	1Mpps
MAC	16K MAC address capacity
VLAN	Supports up to 127 VLANs (out of 4K VLAN IDs) Port-based VLAN, 802.1Q VLAN
LAG	Supports LACP, Load Balancing
Multicast	IGMP Snooping, Report Message Suppression
QoS	Auto prioritization of the incoming part of the packet Supports priority, 802.1P priority, and DSCP priority Bandwidth control Rate limit
DHCP	DHCP Snooping Monitoring including port statistics, Port mirroring, Cable test, and Ping
Maintenance	Backup and restore, System reboot, Factory reset, Firmware upgrade, Support MAC address search, SSH, LDP
Security	Storm control DHCP Snooping Port Security Port Mirroring
Mounting	Under/Rail Mount/DIN-Rail
LED Indicators	Per device System on, Green Per Ethernet port Link/Activity, Green Per Passive PoE out port 48VDC, Orange Per Passive PoE out port 24VDC, Blue Support LED indicator switch
ESD	10KV Air, 15KV Contact
Environmental	Operating Temperature: -40 to 60 °C (-40 to 140 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 5% to 95% non-condensing Storage Humidity: 5% to 95% non-condensing
Dimensions (LxWxH)	170 x 70 x 20mm
Weight	100g (3.5oz)
Package Content	1x Switch, Rack-mounting Standard Brackets, 1x QoS/As assembled screw, 4x expansion screw, 2 x Metal Rings, 1x PoE++ connector
Compliance	CE, FCC, RoHS, REACH

GWN7710R PoE & VLAN Feature

- The switch will maintain PoE power supply during the soft restart to ensure data such as camera feeds are not lost.
- Real-time dynamic display and control of PoE power to detect anomalies in a timely manner.
- PoE port supports dynamic configuration for non-standard 24VDC and 802.3af/at to ensure the compatibility with various APs and cameras.
- Support PoE++ and DC input, suitable for solar and switch cascaded power supply.
- Supports port VLAN and 802.1Q VLAN, allowing users to flexibly divide VLANs according to the requirements.

Passive PoE output Mode

PINS	TS68A Color	TS68B Color	3-Pair	4-Pair
1	Orange	Orange		DC
2	Green	Green		DC
3	Blue	Blue		DC
4	Brown	Brown		DC
5	Orange	Orange	DC	DC
6	Green	Green	DC	DC
7	Blue	Blue	DC	DC
8	Brown	Brown	DC	DC

*4-Pair: power on pins 1,2,3,4 (1,2,3,4) *2-Pair: power on pins 4,5 (4,5)

Deployment Case: Solar DC + Fiber Optic Cable

Port 1: 24V/48V DC 4-Pair Passive PoE Camera
Port 2: 802.3af PoE IP Video Intercom System
Port 3: 24V/48V DC 4-LED Night Vision Lighting for Surveillance
Port 4 (SFP): SFP Optical Port
DC Terminal: Solar/Battery powered, 12-57V DC

● Solar/Battery DC Power Supply Cable
● Power over Ethernet Cable (PoE/Passive PoE 24V DC)
● Optical Fiber for Long Distance Transmission

Deployment Case: PoE++ RJ45 Power and Data


Port 1: 24V/48V DC 4-Pair Passive PoE Camera
Port 2: 24V DC 2-Pair Passive PoE Camera
Port 3: 802.3af PoE Camera
Port 4: Outdoor Wi-Fi AP GWN7630LR
Port 5: PoE++ RJ45 Input

GWN Series Network Switches

GWN7700(P&PA) Series

Unmanaged Network Switches


GRANDSTREAM
CONNECTING THE WORLD




Unmanaged Network Switches

GWN7700(P&PA) Series


The GWN7700 series are unmanaged network switches that provide a quick and cost-effective way to add high-speed Gigabit connectivity to home offices and small/medium businesses. It requires no configuration or installation, offers a desktop and wall-mountable design, and provides auto MDI/MDIX to eliminate the need for crossover cables. Each port supports auto-negotiation to allow the GWN7700 series to recognize the link speed of any 10/100/1000Mbps network device and intelligently adjust for compatibility and optimal performance. The PoE (Power over Ethernet) models provide ports with IEEE 802.3af/at compliant, smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The plug-and-play GWN7700 series are the ideal unmanaged network switches for home offices and small-to medium businesses.




5x 10/100/1000 Gigabit RJ45 ports, 4 port PoE outputs (GWN7700P & GWN7701P)
8 Port PoE output (GWN7700PA & GWN7701PA)




Green technology reduces power consumption




LED Indicators: Per port Link/Activity
Per device Power




Auto MDI/MDIX crossover for all ports




802.3 af/at compliant
Up to 30W on each port (GWN7700P/GWN7701P)
GWN7701PA/GWN7700P (40W)



Broadcast/Multicast
Unicast Storm Control (Based
on 10Mbps) to monitor traffic levels





Supports long cable
connection






QoS - Supports Default Strict
Priority when present




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GWN7700 - GWN7700P	
	
Gigabit Ports 16	Gigabit Ports 8
PoE Ports N/A	PoE Ports 4
Enclosure Plastic	Enclosure Metal
Mounting Desktop/Wall Mount	Mounting Desktop/Wall Mount
Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Port Features 5x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX	Port Features 5x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX
Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex	Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex
PoE Configuration /	PoE Configuration /
LED Indicators Per port: Link/Activity Green Per device: Power Green	LED Indicators Per port: Link/Activity Green Per device: Power Green
Max Address Table Switching Capacity	Max Address Table Switching Capacity
Jumbo Frame 9KB	Jumbo Frame 9KB
Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Internal SVLAN	Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Internal SVLAN
Power Adapter Max Power Consumption By Base System	Power Adapter Max Power Consumption By Base System
1.7W Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing	1.7W Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing
Environmental Dimensions (L x W x H) Unit: 120 x 65 x 34.5mm Package: 225 x 80 x 54mm Unit: 0.1KG Entire Package: 0.25KG	Environmental Dimensions (L x W x H) Unit: 145 x 80 x 27mm Package: 230 x 120 x 51mm Unit Weight: 0.24KG Entire Package: 0.75KG
Weight Unit: 0.1KG Entire Package: 0.25KG	Weight Unit: 0.1KG Entire Package: 0.25KG
Package Compliance	Package Compliance
FCC, CE, RoHS, UL, UKCA	FCC, CE, RoHS, UL, UKCA


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GWN7701 - GWN7701P - GWN7701PA		
		
Gigabit Ports 8	Gigabit Ports 8	Gigabit Ports 8
PoE Ports N/A	PoE Ports Metal	PoE Ports Metal
Enclosure Plastic	Enclosure Metal	Enclosure Metal
Mounting Desktop/Wall Mount	Mounting Desktop/Wall Mount	Mounting Desktop/Wall Mount/Rack Mount
Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Port Features 8x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX	Port Features 8x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX	Port Features 8x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX
Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex	Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex	Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex
PoE Configuration /	PoE Configuration /	PoE Configuration /
LED Indicators Per port: Link/Activity Green Per device: Power Green	LED Indicators Per port: Link/Activity Green Per device: Power Green	LED Indicators Per port: Link/Activity Green Per device: Power Green
Max Address Table Switching Capacity	Max Address Table Switching Capacity	Max Address Table Switching Capacity
Jumbo Frame 9KB	Jumbo Frame 9KB	Jumbo Frame 9KB
Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Member Port	Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Member Port	Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Member Port
Power Adapter Max Power Consumption By Base System	Power Adapter Max Power Consumption By Base System	Power Adapter Max Power Consumption By Base System
External 5V/1.6A 2.7W Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing	External 5V/1.6A 2.7W Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing	Internal 14C-24V/1.6A 2.7W Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing
Environmental Dimensions (L x W x H) Unit: 164 x 80 x 30mm Package: 265 x 166 x 51mm Unit: 0.17KG Entire Package: 0.38KG	Environmental Dimensions (L x W x H) Unit: 164 x 80 x 30mm Package: 265 x 166 x 51mm Unit: 0.17KG Entire Package: 0.38KG	Environmental Dimensions (L x W x H) Unit: 164 x 80 x 30mm Package: 265 x 166 x 51mm Unit: 0.17KG Entire Package: 0.38KG
Weight Unit: 0.17KG Entire Package: 0.38KG	Weight Unit: 0.17KG Entire Package: 0.38KG	Weight Unit: 0.17KG Entire Package: 0.38KG
Package Compliance	Package Compliance	Package Compliance
FCC, CE, RoHS, UL, UKCA	FCC, CE, RoHS, UL, UKCA	FCC, CE, RoHS, UL, UKCA

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GWN7702 - GWN7702P - GWN7703		
		
Gigabit Ports 16	Gigabit Ports 16	Gigabit Ports 24
PoE Ports N/A	PoE Ports N/A	PoE Ports N/A
Enclosure Plastic	Enclosure Metal	Enclosure Metal
Mounting Desktop/Wall Mount	Mounting Desktop/Wall Mount	Mounting Desktop/Wall Mount
Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Port Features 16/24x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX	Port Features 16/24x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX	Port Features 16/24x 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX
Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex	Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex	Network Media 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex
PoE Configuration /	PoE Configuration /	PoE Configuration /
LED Indicators Per port: Link/Activity Green Per device: Power Green	LED Indicators Per port: Link/Activity Green Per device: Power Green	LED Indicators Per port: Link/Activity Green Per device: Power Green
Max Address Table Switching Capacity	Max Address Table Switching Capacity	Max Address Table Switching Capacity
Jumbo Frame 9KB	Jumbo Frame 9KB	Jumbo Frame 9KB
Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Internal SVLAN	Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Internal SVLAN	Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Internal SVLAN
Power Adapter Max Power Consumption By Base System	Power Adapter Max Power Consumption By Base System	Power Adapter Max Power Consumption By Base System
Internal 100-240V AC, 50/60Hz, 1.8W 8W@220V/50Hz Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing	Internal 100-240V AC, 50/60Hz, 1.8W 8W@220V/50Hz Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing	Internal 100-240V AC, 50/60Hz, 1.8W 13W@220V/50Hz Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing
Environmental Dimensions (L x W x H) Unit: 1.23KG Entire Package: 1.81KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA	Environmental Dimensions (L x W x H) Unit: 1.58KG Entire Package: 2.18KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA	Environmental Dimensions (L x W x H) Unit: 1.58KG Entire Package: 2.18KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA
Weight Unit: 1.23KG Entire Package: 1.81KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA	Weight Unit: 1.58KG Entire Package: 2.18KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA	Weight Unit: 1.58KG Entire Package: 2.18KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA
Package Compliance	Package Compliance	Package Compliance
FCC, CE, RoHS, UL, UKCA	FCC, CE, RoHS, UL, UKCA	FCC, CE, RoHS, UL, UKCA

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GWN7706	
	
Gigabit Ports 48	Gigabit Ports 48
PoE Ports N/A	PoE Ports N/A
Enclosure Plastic	Enclosure Plastic
Mounting Desktop/Rack Mount	Mounting Desktop/Rack Mount
Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p	Standards and Protocols IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p
Port Features 48x 10/100/1000Mbps RJ45 Ports 2x SFP Fiber Ports AUTO Negotiation AUTO MDI/MDIX	Port Features 48x 10/100/1000Mbps RJ45 Ports 2x SFP Fiber Ports AUTO Negotiation AUTO MDI/MDIX
Network Media 1000Base-X, 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex	Network Media 1000Base-X, 1000Base-T/100Base-TX/10Base-T, Half/Full Duplex
LED Indicators Per port: Link/Activity Green, Per device: Power Green	LED Indicators Per port: Link/Activity Green, Per device: Power Green
Max Address Table Switching Capacity	Max Address Table Switching Capacity
Jumbo Frame 9KB	Jumbo Frame 9KB
Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Internal SVLAN	Advanced Features Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP Fast Leave IGMP Snooping Route Port AutoLearn Query Refresh Internal SVLAN
Power Adapter Max Power Consumption By Base System	Power Adapter Max Power Consumption By Base System
Internal 100-240V AC, 50/60Hz, 4.0W 30W@220V/50Hz Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing	Internal 100-240V AC, 50/60Hz, 4.0W 30W@220V/50Hz Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -40 to 70 °C (-40 to 158 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 5% to 95% Non-condensing
Environmental Dimensions (L x W x H) Unit: 440 x 200 x 44mm Package: 500x210x115mm Unit: 2.8KG Entire Package: 3.05KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA	Environmental Dimensions (L x W x H) Unit: 440 x 200 x 44mm Package: 500x210x115mm Unit: 2.8KG Entire Package: 3.05KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA
Weight Unit: 2.8KG Entire Package: 3.05KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA	Weight Unit: 2.8KG Entire Package: 3.05KG 1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QoS, FCC, CE, RoHS, UL, UKCA
Package Compliance	Package Compliance
FCC, CE, RoHS, UL, UKCA	FCC, CE, RoHS, UL, UKCA

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Translations

[English](#)

[French](#)

[German](#)

[Italian](#)

[Polish](#)

[Portuguese](#)



[Russian](#)

[Spanish](#)

GWN Series Network Switches

GWN7700M / GWN7700MP / GWN7701M Series


2.5G Multi-Gigabit Unmanaged Network Switches




Unmanaged 2.5G Multi-Gigabit Network Switches

GWN7700M - GWN7700MP - GWN7701M


The GWN7700M series are unmanaged multi-Gigabit network switches that provide high-speed network connectivity up to 2.5Gbps to home offices and small-to-medium businesses. These 6 and 9-port multi-Gigabit switches support fast Ethernet, 1-Gigabit and 2.5-Gigabit network speeds while including 1 SFP+ Gigabit fiber port that provides 1-Gigabit or 10-Gigabit high-speed uplink connectivity to your network. The GWN7700M, GWN7700MP, and GWN7701M require no configuration or installation, are desktop and wall mountable, and provide auto MDI/MDIX to eliminate the need for crossover cables. They support auto negotiation on each port to recognize the speeds of 100/1000/2500Mbps network devices and intelligently adjust for compatibility and optimal performance. The GWN7700MP provide ports with IEEE 802.3af/at compliant, smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The plug-and-play GWN7700M series are the ideal unmanaged network switches for home offices and small-to-medium businesses that require high-speed, multi-Gigabit connectivity.




5 and 8 Multi-Gigabit Copper Ports provide 100/1000/2500Mbps connectivity




One SFP+ Fiber Port with 1-Gigabit or 10-Gigabit connectivity




LED Indicators, Per port: Link/Activity
Per device: Power




Auto MDI/MDIX crossover for all ports




Whisper Quiet: fanless



Broadcast/Multicast/Unicast Storm Control (burst to 100Mbps) to monitor traffic levels



Green technology reduces power consumption



QoS - Supports Default Strict Priority when present

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GWN7700M - GWN7700MP - GWN7701M			
	GWN7700M	GWN7700MP	GWN7701M
2.5 Gigabit Ports	5	5	8
PoE Ports	N/A	4	N/A
Enclosure	Metal		
Mounting	Desktop/ Wall-Mount		
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz(2.5GBASE-T), IEEE 802.3x, IEEE 802.1p, IEEE 802.1x, IEEE 802.3ae, IEEE 802.3ag, IEEE 802.3af, IEEE 802.3at		
Port Features	5x 100/1000/2500Mbps RJ45 Ports 1x SFP+ Fiber Port AUTO Negotiation AUTO MDI/MDIX		8x 100/1000/2500Mbps RJ45 Ports 1x SFP+ Fiber Port AUTO Negotiation AUTO MDI/MDIX
Network Media	2.5GBase-T / 1000Base-T / 100Base-TX / 10 Base-Te, Half/Full-Duplex		2.5GBase-T / 1000Base-T / 100Base-TX/10Base-Te (Half-Duplex only supported in 10/100M mode on port 4-8)
PoE Ports	N/A	1~4 Ports 802.3 at/at compliant ; Up to 30 W on Each Port, Total 57W Power Budget; Overload to cut off the lowest-priority port; Priority: Port 4 to Port 1;	N/A
LED Indicators	Per port: Link/Activity Green Per device: Power Green GWN7700MP Port1~4: PoE output - Yellow		
Mac Address Table	4K		
Switching Capacity	45Gbps	45Gbps	60Gbps
Jumbo Frame	9KB		
Advanced Features	Mac Address Auto-Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3az (Energy Efficient Ethernet) 802.1p/DSCP QoS IGMP: •IGMP Fast-Leave •IGMP Snoop •Route Port Autolearn •Query Refresh Member Port		
Power Adapter	External 12VDC/1A	External 53.5V/1.22A	External 12VDC/1A
Max Power Consumption by Base System	7.0W	7.2W	9.7W
Environmental	Operating Temperature: 0 to 40 °C (32 to 104 °F) Storage Temperature: -20 to 60 °C (-4 to 140 °F) Operating Humidity: 10% to 90% Non-condensing Storage Humidity: 10% to 90% Non-condensing		
Dimensions (L x W x H)	Unit: 145 x 80 x 27mm Package: 255 x 110 x 53mm	Unit: 145 x 80 x 27mm, Package: 230 x 190 x 51mm	Unit: 190 x 100 x 28mm Package: 300 x 130 x 53mm
Weight	Unit: 0.3KG Entire Package: 0.52KG	Unit: 0.31KG Entire Package: 0.80 KG	Unit: 0.52KG Entire Package: 0.77KG
Package	1x Switch, 1x Power Adapter, 1x QIG		
Compliance	FCC, CE, RCM, IC		

4.2024.01

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Translations

[English](#)

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GWN Series Network Switches


GWN7830 - GWN7831 - GWN7832

Layer 3 Aggregation Switches




Layer 3 Aggregation Managed Switches
GWN7830 - GWN7831 - GWN7832

The GWN7830 Series are Layer 3 aggregation managed switches that allow enterprises to build scalable, secure, high performance and smart business networks that are fully manageable and support maximum capacity. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. The GWN7830 series can be managed in several ways, including the local Web user interface of the switch, and CLI, the command line interface. This series is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform. With complete end-to-end quality of service, flexible security settings, and support for maximum network capacity, the GWN7830 Series provides enterprise-grade Layer 3 aggregation switches ideal for medium-to-large deployments.




Gigabit

2/4 Gigabit Ethernet ports, 6/24 Gigabit SFP ports, and 4/12 10Gbps SFP+ ports




Deployment

Supports deployment in IPv6 and IPv4 networks




Security

ARP Inspection, IP Source Guard, DoS protection, port security & DHCP snooping



Controller

Embedded controller to manage switch, GWN, Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform



QoS

Built-in QoS allows for prioritization of network traffic

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	GWN7830	GWN7831	GWN7832	
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3af, IEEE 802.3ah, IEEE 802.3az, IEEE 802.3ba, IEEE 802.3bb, IEEE 802.3bc, IEEE 802.3bd, IEEE 802.3be, IEEE 802.3bf, IEEE 802.3bg, IEEE 802.3bh, IEEE 802.3bi, IEEE 802.3bj, IEEE 802.3bk, IEEE 802.3bl, IEEE 802.3bm, IEEE 802.3bn, IEEE 802.3bo, IEEE 802.3bp, IEEE 802.3bq, IEEE 802.3br, IEEE 802.3bs, IEEE 802.3bt, IEEE 802.3bu, IEEE 802.3bv, IEEE 802.3bw, IEEE 802.3bx, IEEE 802.3by, IEEE 802.3bz, IEEE 802.3ca, IEEE 802.3cb, IEEE 802.3cc, IEEE 802.3cd, IEEE 802.3ce, IEEE 802.3cf, IEEE 802.3cg, IEEE 802.3ch, IEEE 802.3ci, IEEE 802.3cj, IEEE 802.3ck, IEEE 802.3cl, IEEE 802.3cm, IEEE 802.3cn, IEEE 802.3co, IEEE 802.3cp, IEEE 802.3cq, IEEE 802.3cr, IEEE 802.3cs, IEEE 802.3ct, IEEE 802.3cu, IEEE 802.3cv, IEEE 802.3cw, IEEE 802.3cx, IEEE 802.3cy, IEEE 802.3cz, IEEE 802.3da, IEEE 802.3db, IEEE 802.3dc, IEEE 802.3dd, IEEE 802.3de, IEEE 802.3df, IEEE 802.3dg, IEEE 802.3dh, IEEE 802.3di, IEEE 802.3dj, IEEE 802.3dk, IEEE 802.3dl, IEEE 802.3dm, IEEE 802.3dn, IEEE 802.3do, IEEE 802.3dp, IEEE 802.3dq, IEEE 802.3dr, IEEE 802.3ds, IEEE 802.3dt, IEEE 802.3du, IEEE 802.3dv, IEEE 802.3dw, IEEE 802.3dx, IEEE 802.3dy, IEEE 802.3dz, IEEE 802.3ea, IEEE 802.3eb, IEEE 802.3ec, IEEE 802.3ed, IEEE 802.3ee, IEEE 802.3ef, IEEE 802.3eg, IEEE 802.3eh, IEEE 802.3ei, IEEE 802.3ej, IEEE 802.3ek, IEEE 802.3el, IEEE 802.3em, IEEE 802.3en, IEEE 802.3eo, IEEE 802.3ep, IEEE 802.3eq, IEEE 802.3er, IEEE 802.3es, IEEE 802.3et, IEEE 802.3eu, IEEE 802.3ev, IEEE 802.3ew, IEEE 802.3ex, IEEE 802.3ey, IEEE 802.3ez, IEEE 802.3fa, IEEE 802.3fb, IEEE 802.3fc, IEEE 802.3fd, IEEE 802.3fe, IEEE 802.3ff, IEEE 802.3fg, IEEE 802.3fh, IEEE 802.3fi, IEEE 802.3fj, IEEE 802.3fk, IEEE 802.3fl, IEEE 802.3fm, IEEE 802.3fn, IEEE 802.3fo, IEEE 802.3fp, IEEE 802.3fq, IEEE 802.3fr, IEEE 802.3fs, IEEE 802.3ft, IEEE 802.3fu, IEEE 802.3fv, IEEE 802.3fw, IEEE 802.3fx, IEEE 802.3fy, IEEE 802.3fz, IEEE 802.3ga, IEEE 802.3gb, IEEE 802.3gc, IEEE 802.3gd, IEEE 802.3ge, IEEE 802.3gf, IEEE 802.3gg, IEEE 802.3gh, IEEE 802.3gi, IEEE 802.3gj, IEEE 802.3gk, IEEE 802.3gl, IEEE 802.3gm, IEEE 802.3gn, IEEE 802.3go, IEEE 802.3gp, IEEE 802.3gq, IEEE 802.3gr, IEEE 802.3gs, IEEE 802.3gt, IEEE 802.3gu, IEEE 802.3gv, IEEE 802.3gw, IEEE 802.3gx, IEEE 802.3gy, IEEE 802.3gz, IEEE 802.3ha, IEEE 802.3hb, IEEE 802.3hc, IEEE 802.3hd, IEEE 802.3he, IEEE 802.3hf, IEEE 802.3hg, IEEE 802.3hh, IEEE 802.3hi, IEEE 802.3hj, IEEE 802.3hk, IEEE 802.3hl, IEEE 802.3hm, IEEE 802.3hn, IEEE 802.3ho, IEEE 802.3hp, IEEE 802.3hq, IEEE 802.3hr, IEEE 802.3hs, IEEE 802.3ht, IEEE 802.3hu, IEEE 802.3hv, IEEE 802.3hw, IEEE 802.3hx, IEEE 802.3hy, IEEE 802.3hz, IEEE 802.3ia, IEEE 802.3ib, IEEE 802.3ic, IEEE 802.3id, IEEE 802.3ie, IEEE 802.3if, IEEE 802.3ig, IEEE 802.3ih, IEEE 802.3ii, IEEE 802.3ij, IEEE 802.3ik, IEEE 802.3il, IEEE 802.3im, IEEE 802.3in, IEEE 802.3io, IEEE 802.3ip, IEEE 802.3iq, IEEE 802.3ir, IEEE 802.3is, IEEE 802.3it, IEEE 802.3iu, IEEE 802.3iv, IEEE 802.3iw, IEEE 802.3ix, IEEE 802.3iy, IEEE 802.3iz, IEEE 802.3ja, IEEE 802.3jb, IEEE 802.3jc, IEEE 802.3jd, IEEE 802.3je, IEEE 802.3jf, IEEE 802.3jg, IEEE 802.3jh, IEEE 802.3ji, IEEE 802.3jj, IEEE 802.3jk, IEEE 802.3jl, IEEE 802.3jm, IEEE 802.3jn, IEEE 802.3jo, IEEE 802.3jp, IEEE 802.3jq, IEEE 802.3jr, IEEE 802.3js, IEEE 802.3jt, IEEE 802.3ju, IEEE 802.3jv, IEEE 802.3jw, IEEE 802.3jx, IEEE 802.3jy, IEEE 802.3jz, IEEE 802.3ka, IEEE 802.3kb, IEEE 802.3kc, IEEE 802.3kd, IEEE 802.3ke, IEEE 802.3kf, IEEE 802.3kg, IEEE 802.3kh, IEEE 802.3ki, IEEE 802.3kj, IEEE 802.3kk, IEEE 802.3kl, IEEE 802.3km, IEEE 802.3kn, IEEE 802.3ko, IEEE 802.3kp, IEEE 802.3kq, IEEE 802.3kr, IEEE 802.3ks, IEEE 802.3kt, IEEE 802.3ku, IEEE 802.3kv, IEEE 802.3kw, IEEE 802.3kx, IEEE 802.3ky, IEEE 802.3kz, IEEE 802.3la, IEEE 802.3lb, IEEE 802.3lc, IEEE 802.3ld, IEEE 802.3le, IEEE 802.3lf, IEEE 802.3lg, IEEE 802.3lh, IEEE 802.3li, IEEE 802.3lj, IEEE 802.3lk, IEEE 802.3lm, IEEE 802.3ln, IEEE 802.3lo, IEEE 802.3lp, IEEE 802.3lq, IEEE 802.3lr, IEEE 802.3ls, IEEE 802.3lt, IEEE 802.3lu, IEEE 802.3lv, IEEE 802.3lw, IEEE 802.3lx, IEEE 802.3ly, IEEE 802.3lz, IEEE 802.3ma, IEEE 802.3mb, IEEE 802.3mc, IEEE 802.3md, IEEE 802.3me, IEEE 802.3mf, IEEE 802.3mg, IEEE 802.3mh, IEEE 802.3mi, IEEE 802.3mj, IEEE 802.3mk, IEEE 802.3ml, IEEE 802.3mn, IEEE 802.3mo, IEEE 802.3mp, IEEE 802.3mq, IEEE 802.3mr, IEEE 802.3ms, IEEE 802.3mt, IEEE 802.3mu, IEEE 802.3mv, IEEE 802.3mw, IEEE 802.3mx, IEEE 802.3my, IEEE 802.3mz, IEEE 802.3na, IEEE 802.3nb, IEEE 802.3nc, IEEE 802.3nd, IEEE 802.3ne, IEEE 802.3nf, IEEE 802.3ng, IEEE 802.3nh, IEEE 802.3ni, IEEE 802.3nj, IEEE 802.3nk, IEEE 802.3nl, IEEE 802.3nm, IEEE 802.3nn, IEEE 802.3no, IEEE 802.3np, IEEE 802.3nq, IEEE 802.3nr, IEEE 802.3ns, IEEE 802.3nt, IEEE 802.3nu, IEEE 802.3nv, IEEE 802.3nw, IEEE 802.3nx, IEEE 802.3ny, IEEE 802.3nz, IEEE 802.3oa, IEEE 802.3ob, IEEE 802.3oc, IEEE 802.3od, IEEE 802.3oe, IEEE 802.3of, IEEE 802.3og, IEEE 802.3oh, IEEE 802.3oi, IEEE 802.3oj, IEEE 802.3ok, IEEE 802.3ol, IEEE 802.3om, IEEE 802.3on, IEEE 802.3oo, IEEE 802.3op, IEEE 802.3oq, IEEE 802.3or, IEEE 802.3os, IEEE 802.3ot, IEEE 802.3ou, IEEE 802.3ov, IEEE 802.3ow, IEEE 802.3ox, IEEE 802.3oy, IEEE 802.3oz, IEEE 802.3pa, IEEE 802.3pb, IEEE 802.3pc, IEEE 802.3pd, IEEE 802.3pe, IEEE 802.3pf, IEEE 802.3pg, IEEE 802.3ph, IEEE 802.3pi, IEEE 802.3pj, IEEE 802.3pk, IEEE 802.3pl, IEEE 802.3pm, IEEE 802.3pn, IEEE 802.3po, IEEE 802.3pp, IEEE 802.3pq, IEEE 802.3pr, IEEE 802.3ps, IEEE 802.3pt, IEEE 802.3pu, IEEE 802.3pv, IEEE 802.3pw, IEEE 802.3px, IEEE 802.3py, IEEE 802.3pz, IEEE 802.3qa, IEEE 802.3qb, IEEE 802.3qc, IEEE 802.3qd, IEEE 802.3qe, IEEE 802.3qf, IEEE 802.3qg, IEEE 802.3qh, IEEE 802.3qi, IEEE 802.3qj, IEEE 802.3qk, IEEE 802.3ql, IEEE 802.3qm, IEEE 802.3qn, IEEE 802.3qo, IEEE 802.3qp, IEEE 802.3qq, IEEE 802.3qr, IEEE 802.3qs, IEEE 802.3qt, IEEE 802.3qu, IEEE 802.3qv, IEEE 802.3qw, IEEE 802.3qx, IEEE 802.3qy, IEEE 802.3qz, IEEE 802.3ra, IEEE 802.3rb, IEEE 802.3rc, IEEE 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802.3tw, IEEE 802.3tx, IEEE 802.3ty, IEEE 802.3tz, IEEE 802.3ua, IEEE 802.3ub, IEEE 802.3uc, IEEE 802.3ud, IEEE 802.3ue, IEEE 802.3uf, IEEE 802.3ug, IEEE 802.3uh, IEEE 802.3ui, IEEE 802.3uj, IEEE 802.3uk, IEEE 802.3ul, IEEE 802.3um, IEEE 802.3un, IEEE 802.3uo, IEEE 802.3up, IEEE 802.3uq, IEEE 802.3ur, IEEE 802.3us, IEEE 802.3ut, IEEE 802.3uu, IEEE 802.3uv, IEEE 802.3uw, IEEE 802.3ux, IEEE 802.3uy, IEEE 802.3uz, IEEE 802.3va, IEEE 802.3vb, IEEE 802.3vc, IEEE 802.3vd, IEEE 802.3ve, IEEE 802.3vf, IEEE 802.3vg, IEEE 802.3vh, IEEE 802.3vi, IEEE 802.3vj, IEEE 802.3vk, IEEE 802.3vl, IEEE 802.3vm, IEEE 802.3vn, IEEE 802.3vo, IEEE 802.3vp, IEEE 802.3vq, IEEE 802.3vr, IEEE 802.3vs, IEEE 802.3vt, IEEE 802.3vu, IEEE 802.3vv, IEEE 802.3vw, IEEE 802.3vx, IEEE 802.3vy, IEEE 802.3vz, IEEE 802.3wa, IEEE 802.3wb, IEEE 802.3wc, IEEE 802.3wd, IEEE 802.3we, IEEE 802.3wf, IEEE 802.3wg, IEEE 802.3wh, IEEE 802.3wi, IEEE 802.3wj, IEEE 802.3wk, IEEE 802.3wl, IEEE 802.3wm, IEEE 802.3wn, IEEE 802.3wo, IEEE 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802.3zj, IEEE 802.3zk, IEEE 802.3zl, IEEE 802.3zm, IEEE 802.3zn, IEEE 802.3zo, IEEE 802.3zp, IEEE 802.3zq, IEEE 802.3zr, IEEE 802.3zs, IEEE 802.3zt, IEEE 802.3zu, IEEE 802.3zv, IEEE 802.3zw, IEEE 802.3zx, IEEE 802.3zy, IEEE 802.3zz	2	4	12
Gigabit Ethernet Ports	2	4	12	
Gigabit SFP Ports	2	4	12	
Gigabit SFP+ Ports	2	4	12	
Maximum no. of Supported Modules	2	4	12	
Console	1	1	1	
Integrated Power Supply	30W	60W	60W	
External Redundant Power Supply (RPS)	1	1	1	
Auxiliary Ports	1x Serial (RJ45)	1x Serial (RJ45)	1x Serial (RJ45)	
Forwarding Mode	1x Serial (RJ45)	1x Serial (RJ45)	1x Serial (RJ45)	
Total non-blocking throughput	100Gbps	100Gbps	100Gbps	
Switching Capability	100Gbps	100Gbps	100Gbps	
Forwarding Rate	71.4Mpps	71.4Mpps	71.4Mpps	
Packet Buffer	128K	128K	128K	
Network Latency	<1µs	<1µs	<1µs	
Switching	1x MAC addresses, including static, dynamic and flooding MAC addresses	1x MAC addresses, including static, dynamic and flooding MAC addresses	1x MAC addresses, including static, dynamic and flooding MAC addresses	
Routing	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Multicast	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
QoS/ACL	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
DHCP	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Maintenance	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Security	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Mounting	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
System LEDs	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Power Supply LEDs	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Data Transferring LEDs	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Fan	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Environment	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Dimensions	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Unit Weight	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Package Content	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	
Compliance	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	1x IPv4, 1x IPv6, 1x IPv4/IPv6, 1x IPv4/IPv6/IPv6	

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Translations

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GWN Series Network Switches

GWN7821P - GWN7822P

Layer 3 Multi-Gigabit Switches

Translations

English

French

German


Italian

Polish


Portuguese

Russian

Spanish




CONNECTING THE WORLD




Layer 3 Multi-Gigabit Network Switches

GWN7821P - GWN7822P


The GWN7820 series are Layer 3 multi-gigabit managed PoE switches that allow medium-to-large enterprises to build scalable, secure, high performance and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, comprehensive security capabilities against potential attacks, and provides smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. GWN7820 series can be managed in a number of ways, including the local Web user interface of the GWN7820 series switch and CLM, the command-line interface, and GWN router. The series is also supported by GOMS Networking and GWN Manager. Grandstream's cloud and on-premise network management platform. With complete end-to-end quality of service and flexible security settings, the GWN7820 series are the best-value enterprise-grade managed PoE switches for medium-to-large businesses.



8 & 24 Gigabit Ethernet ports and 2 & 4 Gigabit SFP ports




Smart power control to support dynamic PoE++ and PoE++




Supports deployment in IPv6 and IPv4 networks




Reliability features including dual detection, device protection, dual boot, dual system file redundancy, link aggregation, storm control, and more




ACL filtering of data packets by configuring matching rules, processing operations and time schedule, and provides flexible security access control policies



Management options include Embedded controller, GOMS Networking and GWN Manager, Grandstream's free cloud and on-premise network management platform, CLI management, GWN router



Built-in QoS allows for prioritization of network traffic



Supports stacking (pending) for easy management on one interface while creating redundant backup between multiple devices

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	GWN7821P	GWN7822P
Network Protocols	IPv4, IPv6, IEEE 802.3, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1Q, IEEE 802.1X, IEEE 802.1Y, IEEE 802.1Z, IEEE 802.1W, IEEE 802.1S, IEEE 802.11, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11k, IEEE 802.11r, IEEE 802.11s, IEEE 802.11v, IEEE 802.11w, IEEE 802.11u, IEEE 802.11m, IEEE 802.11j, IEEE 802.11h, IEEE 802.11g, IEEE 802.11a, IEEE 802.11e, IEEE 802.11d, IEEE 802.11c, IEEE 802.11b, IEEE 802.11f, IEEE 802.11i, IEEE 802.11l, IEEE 802.11m, IEEE 802.11n, IEEE 802.11o, IEEE 802.11p, IEEE 802.11q, IEEE 802.11r, IEEE 802.11s, IEEE 802.11t, IEEE 802.11u, IEEE 802.11v, IEEE 802.11w, IEEE 802.11x, IEEE 802.11y, IEEE 802.11z, IEEE 802.11aa, IEEE 802.11ab, IEEE 802.11ac, IEEE 802.11ad, IEEE 802.11ae, IEEE 802.11af, IEEE 802.11ag, IEEE 802.11ah, IEEE 802.11ai, IEEE 802.11aj, IEEE 802.11ak, IEEE 802.11al, IEEE 802.11am, IEEE 802.11an, IEEE 802.11ao, IEEE 802.11ap, IEEE 802.11aq, IEEE 802.11ar, IEEE 802.11as, IEEE 802.11at, IEEE 802.11au, IEEE 802.11av, IEEE 802.11aw, IEEE 802.11ax, 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802.11nu, IEEE 802.11nv, IEEE 802.11nw, IEEE 802.11nx, IEEE 802.11ny, IEEE 802.11nz, IEEE 802.11oa, IEEE 802.11ob, IEEE 802.11oc, IEEE 802.11od, IEEE 802.11oe, IEEE 802.11of, IEEE 802.11og, IEEE 802.11oh, IEEE 802.11oi, IEEE 802.11oj, IEEE 802.11ok, IEEE 802.11ol, IEEE 802.11om, IEEE 802.11on, IEEE 802.11oo, IEEE 802.11op, IEEE 802.11oq, IEEE 802.11or, IEEE 802.11os, IEEE 802.11ot, IEEE 802.11ou, IEEE 802.11ov, IEEE 802.11ow, IEEE 802.11ox, IEEE 802.11oy, IEEE 802.11oz, IEEE 802.11pa, IEEE 802.11pb, IEEE 802.11pc, IEEE 802.11pd, IEEE 802.11pe, IEEE 802.11pf, IEEE 802.11pg, IEEE 802.11ph, IEEE 802.11pi, IEEE 802.11pj, IEEE 802.11pk, IEEE 802.11pl, IEEE 802.11pm, IEEE 802.11pn, IEEE 802.11po, IEEE 802.11pp, IEEE 802.11pq, IEEE 802.11pr, IEEE 802.11ps, IEEE 802.11pt, IEEE 802.11pu, IEEE 802.11pv, IEEE 802.11pw, IEEE 802.11px, IEEE 802.11py, IEEE 802.11pz, IEEE 802.11qa, IEEE 802.11qb, IEEE 802.11qc, IEEE 802.11qd, IEEE 802.11qe, IEEE 802.11qf, IEEE 802.11qg, IEEE 802.11qh, IEEE 802.11qi, 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Features & Benefits

Powerful Processing Capabilities

- Routing including static routing, dynamic routing, policy routing and routing policy to enable routing data communication between different network segments. Simple, more efficient and more reliable.
- DHCP Server and Relay to assign IP address to hosts in the network.
- QoS including Port Priority, Priority Queuing, Class Scheduling, Traffic Shaping and Rate Limit.
- ACL to realize the filtering of data packets by configuring matching rules, processing operations and time schedule, and provide flexible security access control policies.
- IGMP Snooping and MLD Snooping to meet the needs of multi-multicast network devices, improve security while reducing costs compared to GPS line synchronization schemes.
- Stacking (pending) provides power of network equipment capability. By adding member devices, you can easily expand the number of ports, bandwidth and processing capacity of the stacking system.

Multi-Layer Security Protection

- Static MAC table, dynamic MAC table to allow data transmission, and filter MAC table to avoid network attacks.
- Packet filtering based on binding of IP address, MAC address, VLAN and port.
- Dynamic ARP Inspection to protect against ARP spoofing and ARP flooding attacks such as gateway spoofing, man-in-the-middle attacks and etc. that are common in LAN environment.
- SYN Flood Source Guard to prevent illegal address spoofing including IP-MAC/VLAN spoofing and IPVLAN spoofing.
- DOS Attack Defense including Land Attack, Smurf Attack, TCP SYN Attack, Ping Flooding and more.
- IEEE 802.1X MAC, RADIUS, AAA, TACACS+ authentications to provide authentication function for LAN devices.
- Supports port security. When the number of MAC addresses learned by a port reaches the maximum number, it will be set to error-down status automatically or by learning to prevent MAC address attack and control the network traffic of the port.
- Supports DHCP Snooping. Only allow DHCPCHN packets from trusted ports to keep the enterprise DHCPCHN environment safe.

IPv4/IPv6 Dual Protocol Stack

- IPv4 routing protocol, including IPv4 unicast routing to satisfy different networking needs.
- IPv6 routing protocols, including IPv6 unicast routing to satisfy different networking needs.
- Supports IPv6 static routing, RIPv6, OSPFv3, IS-IS, BGP and IPv6 multicast to meet the requirements of IPv6-independent networking and IPv4/IPv6 hybrid networking.
- Policy routing can not only flexibly adjust routing paths according to actual needs to meet different network requirements, but also dynamically select routing paths based on network load, thereby achieving load balancing.

Power & Green Energy Efficiency

- High efficiency power supply module, higher efficiency of power supply system.
- All Ethernet ports support IEEE (Energy Efficient Ethernet), fast transitions between normal operation and low power states with low traffic and low power consumption.
- Intelligent control of fan speed based on environmental temperatures. Precise temperature control, energy saving and noise reduction.

Enterprise Grade Reliability

- SPS. External redundant power module(optional), ensures stable business use continuously.
- Support fault detector and alarm for power supply and fan, and automatically adjust the fan speed based on temperature changes to better adapt to the environment.
- Multiple reliability protection at device level, such as overcurrent protection, overvoltage protection, over-heat technology and surge protection.
- Dual boot of hardware level. Use two Flash chips to store boot software (system boot program), achieve hardware-level boot redundancy backup, and avoid switching failure due to Flash chip failure.
- Dual system for redundancy backup ensures the normal startup and operation of the system, and improves the stability of the device.
- STONC/STOCDT PoE guarantee fast convergence, improve fault tolerance, ensure stable network and provide link load balance, and redundancy.
- Compatible with PPS/PPSCT for faster convergence. Optimized network performance through VLAN-based network load balance.
- ERPS (pending). Breakback detection to identify and remove loops on the network.
- VRRP (pending) to minimize network downtime caused by gateway failure.
- VRRP aggregation to increase bandwidth, improve reliability and load balancing.
- Storm control to prevent traffic interruption caused by broadcast, multicast or certain unicast packets.
- Stacking (pending) supports the logical virtualization of up to 4 switches into one. It improves the device-level reliability through redundant backup between multiple member devices and the link-level reliability through the link aggregation function across devices.

Smart PoE Capabilities

- PoE power supply and comply with the IEEE 802.3af/4af standards to meet the PoE power supply requirements of security monitoring, audio and video conferencing, wireless signal coverage and more scenarios.
- Supports setting user-defined time period to control the power supply of PoE port on the GWN.
- Setting priority of PoE ports. When remaining power is insufficient, it will power the ports based on priorities.
- User can configure the maximum power allowed per port. The maximum limit is 50W per 25G port, 30W per 10G port.
- Dynamic power negotiation via LLDP-MED.

Easy Management and Maintenance

- Managed by Web GUI, CLI(Console, Telnet, SSH) and SNMP (v1/v2/v3).
- Monitoring of CPU and memory usage. Support common networking tools such as Ping, Tracert, L2/L3 (pending) and Copper Test to analyze networking issue.
- Supports RMON, Syslog, traffic statistics and allow (pending) for network optimization.
- LLDP and LLDP-MED for automatic discovery, provisioning and management of endpoint device.
- Managed by GWN router, GOMS Networking and GWN Manager. Stacking (pending) simplifies configuration and management. After stacking is formed, multiple physical devices become a virtual device. Users can log in to the stacking system through any member device to uniformly configure and manage all member devices of the stacking system.

www.grandstream.com

GWN Series Network Switches

GWN7816(P)

48-Port Layer 3 Managed Network Switch

[illegible]

Translations

English

French

German

Italian

Polish

Portuguese

Russian

Spanish

GWN Series Network Switches

Social Graphics

Use the editable template to customize your own social image by adding your logo, or create your own using the elements provided below. Photoshop files as well as PNGs are provided for each product. For paid social promotion it is recommended to use social images with limited to no text.



Social Image w/ Text

[GWN7800 Series \(PNG\)](#)
[GWN7800 Series \(PSD\)](#)

[GWN7711\(P\) \(PNG\)](#)
[GWN7711\(P\) \(PSD\)](#)

[GWN7810 Series \(PNG\)](#)
[GWN7810 Series \(PSD\)](#)

[GWN7710R \(PNG\)](#)
[GWN7710R \(PSD\)](#)

[GWN7806\(P\) \(PNG\)](#)
[GWN7806\(P\) \(PSD\)](#)

[GWN7830 Series \(PNG\)](#)
[GWN7830 Series \(PSD\)](#)

[GWN7700 Series \(PNG\)](#)
[GWN7700 Series \(PSD\)](#)

[GWN7821P/GWN7822P \(PNG\)](#)
[GWN7821P/GWN7822P \(PSD\)](#)

[GWN7700M/MP_GWN7701M \(PNG\)](#)
[GWN7700M/MP_GWN7701M \(PSD\)](#)

[GWN7816\(P\) \(PNG\)](#)
[GWN7816\(P\) \(PSD\)](#)



Social Image w/o Text

[GWN7800 Series \(PNG\)](#)

[GWN7806\(P\) \(PNG\)](#)

[GWN7810 Series \(PNG\)](#)

[GWN7700 \(P&PA\) Series \(PNG\)](#)

[GWN7700M/MP_GWN7701M \(PNG\)](#)

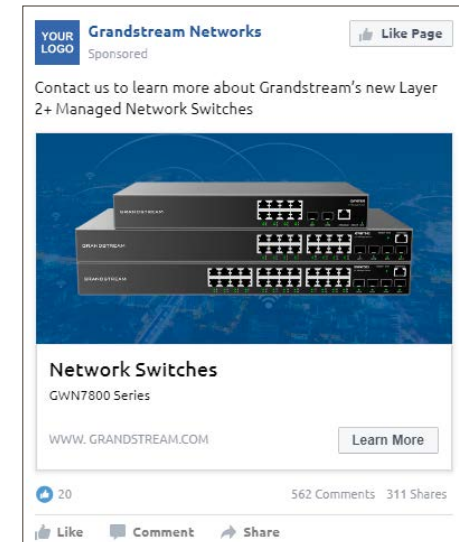
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[GWN7710R \(PNG\)](#)

[GWN7830 Series \(PNG\)](#)

[GWN7821P/GWN7822P \(PNG\)](#)

[GWN7816\(P\) \(PNG\)](#)



Suggested Social Post Copy

[GWN7800 Series \(Word\)](#)

[GWN7806\(P\) \(Word\)](#)

[GWN7810 Series \(Word\)](#)

[GWN7700 \(P&PA\) Series \(Word\)](#)

[GWN7700M Series \(Word\)](#)

[GWN7711\(P\) \(Word\)](#)

[GWN7710R \(Word\)](#)

[GWN7830 Series \(Word\)](#)

[GWN7821P/GWN7822P \(Word\)](#)

[GWN7816\(P\) \(Word\)](#)

GWN Series Network Switches

Marketing Assets - GWN7801(P) - GWN7802(P) - GWN7803(P) - GWN7806(P)

Layer 2+ Managed Network Switches

Product Images

[GWN7800 Series \(ZIP File\)](#)

[GWN7801 \(ZIP File\)](#)

[GWN7801P \(ZIP File\)](#)

[GWN7802 \(ZIP File\)](#)

[GWN7802P \(ZIP File\)](#)

[GWN7803 \(ZIP File\)](#)

[GWN7803P \(ZIP File\)](#)

[GWN7806 \(ZIP File\)](#)

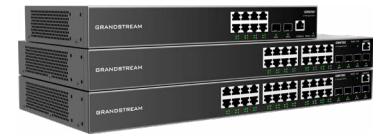
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GWN7800_1



GWN7800_2



GWN7800_3



GWN7800P_1



GWN7800P_2



GWN7806P_1

Feature Icons

[Gigabit](#)

[PoE](#)

[Integrated Ports](#)

[Security](#)

[QoS](#)

[Configuration](#)



Gigabit



PoE



Integrated Ports



QoS



Security



Configuration

GWN Series Network Switches

Marketing Assets - GWN7811(P) - GWN7812(P) - GWN7813(P)
Layer 3 Managed Network Switches

Product Images

[GWN781x_1](#)

[GWN781x_2](#)

[GWN781x_3](#)

[GWN781x_4](#)



GWN781x_1



GWN781x_2



GWN781x_3



GWN781x_4

Feature Icons

[Gigabit](#)

[PoE](#)

[Integrated Ports](#)

[Security](#)

[QoS](#)

[Configuration](#)



Gigabit

Gigabit



PoE

PoE



Integrated Ports



QoS



Security



Configuration

GWN Series Network Switches

Marketing Assets - GWN7711(P)

Layer 2 Lite Managed Network Switches

Product Images

[GWN7711_1](#)

[GWN7711_2](#)

[GWN7711_3](#)

[GWN7711_4](#)

[GWN7711P_1](#)

[GWN7711P_2](#)

[GWN7711P_3](#)

[GWN7711P_4](#)



GWN7711_1



GWN7711_2



GWN7711_3



GWN7711_4



GWN7711P_1



GWN7711P_2



GWN7711P_3



GWN7711P_4

Feature Icons

[Gigabit](#)

[PoE](#)

[LED Indicators](#)

[Tools](#)

[QoS](#)

[Configuration](#)

[Quietless Fan](#)

[Traffic Levels](#)

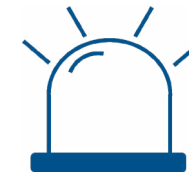


Gigabit

Gigabit



PoE



LED Indicators



Tools



QoS



Quietless Fan



Configuration



Traffic Levels

GWN Series Network Switches

Marketing Assets - GWN7710R

Layer 2 Lite Managed Network Switches

Product Images

[GWN7710R_1](#)

[GWN7710R_2](#)

[GWN7710R_3](#)

[GWN7710R_4](#)

[GWN7710R_5](#)

[GWN7710R_6](#)



GWN7710R_1



GWN7710R_2



GWN7710R_3



GWN7710R_4



GWN7710R_5



GWN7711P_6

Feature Icons

[Gigabit](#)

[PoE](#)

[LED Indicators](#)

[Tools](#)

[QoS](#)

[Configuration](#)

[Quietless Fan](#)

[Traffic Levels](#)



Gigabit

Gigabit



PoE

PoE



LED Indicators



Tools



QoS



Quietless Fan



Configuration



Traffic Levels

GWN Series Network Switches

Marketing Assets - GWN7700(P&PA) Series

Unamanged Network Switches

Product Images

[GWN7700 Series](#)

[GWN7700P Series](#)

[Combined 7700/7701](#)

[Combined GWN7702/03/06](#)

[GWN7700 \(ZIP\)](#)

[GWN7700P](#)

[GWN7701 \(ZIP\)](#)

[GWN7701P](#)

[GWN7701PA](#)

[GWN7702 \(ZIP\)](#)

[GWN7702\(P\) \(ZIP\)](#)

[GWN7703 \(ZIP\)](#)

[GWN7706 \(ZIP\)](#)



GWN7700 Series



Combined GWN7700/01



Combined GWN7702/03/06



GWN7700



GWN7700P



GWN7701



GWN7701P



GWN7701PA

Feature Icons

[Gigabit](#)

[PoE](#)

[Integrated Ports](#)

[Security](#)

[QoS](#)

[Configuration](#)



Gigabit

Gigabit



PoE



Integrated Ports



QoS



Security



Configuration

GWN Series Network Switches

*Marketing Assets - GWN7700M - GWN7700MP - GWN7701M
2.5G Multi-Gigabit Unmanaged Network Switches*

Product Images

[GWN7700M - GWN7700MP -
GWN7701M Combined](#)

[GWN7700M \(ZIP\)](#)

[GWN7700MP \(PNG\)](#)

[GWN7701M \(ZIP\)](#)



Combined



GWN7700M



GWN7700MP



GWN7701M

Feature Icons

[2.5 Gigabit
Integrated Ports](#)

[QoS](#)

[Connectivity](#)

[LED](#)

[Quiet Fan](#)

[Monitor](#)

[Green Technology](#)



2.5 Gigabit

Gigabit



Integrated Ports



QoS



Connectivity



LED



Quiet Fan



Monitoring



Green Technology

GWN Series Network Switches

Marketing Assets - GWN7830 - GWN7831 - GWN7832

Layer 3 Aggregation Switches

Product Images

[GWN7830 Series Combined](#)

[GWN7830 \(ZIP\)](#)

[GWN7831 \(ZIP\)](#)

[GWN7832 \(ZIP\)](#)



GWN7830 Series Combined



GWN7830



GWN7831



GWN7832

Feature Icons

[Gigabit](#)

[Integrated Ports](#)

[Security](#)

[Configuration](#)

[QoS](#)



2.5 Gigabit

Gigabit



Integrated Ports



Security



Configuration



QoS

GWN Series Network Switches

Marketing Assets - GWN7821P - GWN7822P

Layer 3 Multi-Gigabit Network Switches

Product Images

GWN7821P_GWN7822P

GWN7821P

GWN7822P



GWN7821P_GWN7822P



GWN7821P



GWN7822P

Feature Icons

Gigabit

PoE

Integrated Ports

Reliability

Security

Configuration

QoS

Stacking



Gigabit



PoE



Integrated Ports



Reliability



Security



Configuration



QoS



Stacking

GWN Series Network Switches

Marketing Assets - GWN7816(P)

48-Port Layer 3 Managed Network Switch

Product Images

[GWN7816\(P\)_1](#)

[GWN7816\(P\)_2](#)



GWN7816(P)_1



GWN7816(P)_2

Feature Icons

[Gigabit](#)

[PoE](#)

[Integrated Ports](#)

[Reliability](#)

[Security](#)

[Configuration](#)

[QoS](#)

[Stacking](#)



Gigabit



PoE



Integrated Ports



Reliability



Security



Configuration



QoS



Stacking