



Partner Marketing Kit



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.

Competitive Features

- 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 PoE models
- Supports deployment in IPv6 and IPv4 networks
- Provides quaternary binding of IP, MAC, VLAN, and port; ARP Inspection, IP Source Guard, DoS protection, port security, and DHCP snooping
- Management through embedded controller or GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform
- Built-in QoS allows for the 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/RSTP/MSTP		

Enterprise Layer 2+ Switches

Key Features

- High performance with powerful performance
- Enterprise-grade up to 46Gbps
- Ideal choice for
- High performance routing
- Supports ports DHCP hosts within the
- Configuration and management of manual of configuration.
- Queue
- High performance packets by
- High performance operations and time
- Access control

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, UDLT (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 Series Translations
[English](#)

GWN7800 Series Translations
[English](#)
[Spanish](#)

GWN7700(P&PA) Series Translations
[English](#)
[Spanish](#)

GWN7700M Series Translations
[English](#)

GWN Series Network Switches

Presentation



Translations

[English \(PowerPoint\)](#)

[English \(PDF\)](#)

[Spanish \(PowerPoint\)](#)

[Spanish \(PDF\)](#)

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

Tagline	Enterprise-Grade Layer 3 Managed Network Switches
Subhead	The GWN7810 series are Layer 3 managed network switches that allow enterprises to build scalable, secure, and high-performance business networks that are fully manageable.
Target Audience	Enterprises and medium-to-large businesses who require high-performance networks with maximum network capacity and control.
Product Description	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.
Customer Challenges	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.
Customer Solutions	Ideal for enterprises and large businesses, the GWN7810 Series provides maximum layer-3 level network control, including 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.

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 Series

2.5G Multi-Gigabit Unmanaged Network Switches

Tagline	Unmanaged 2.5G Multi-Gigabit Network Switches	
Subhead	The GWN7700M series 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	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 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 for compatibility and optimal performance. The plug-and-play GWN7700M 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 than 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

Product Messaging - GWN7830 - GWN7831 - GWN7832

Layer 3 Aggregation Switches

Tagline	Enterprise-Grade Layer 3 Aggregation Network Switches
Subhead	The GWN7830 series are Layer 3 aggregation switches that allow enterprises to build scalable, secure, high performance and smart business networks that are fully manageable and support maximum capacity.
Target Audience	Enterprises and medium-to-large businesses who require high-performance networks with maximum network capacity and control.
Product Description	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.
Customer Challenges	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, while providing top-of-the-line network speeds and capacity required by large deployments.
Customer Solutions	The GWN7830 Series are Layer 3 aggregation managed switches that allow enterprises to build scalable, secure, high performance and smart 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 and CLI (command-line interface), along with GWN.Cloud and GWN Manager - Grandstream's free cloud and on-premise network management platform.

GWN Series Network Switches

Product Messaging - GWN7816(P)

48-Port Layer 3 Managed Network Switch

Tagline	48-Port Enterprise-Grade Layer 3 Managed Network Switch
Subhead	The GWN7816(P) are 48-port Layer 3 managed network switches that allow enterprises to build scalable, secure, and high-performance business networks that are fully manageable.
Target Audience	Enterprises and medium-to-large businesses who require high-performance networks with maximum network capacity and control.
Product Description	The GWN7816(P) are 48-port 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 GWN7816P provides smart dynamic PoE output to power IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The GWN7816(P) can be managed in several ways, including the local Web user interface of the switch, and CLI, the command-line interface. It is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform. With an advanced set of features, comprehensive security protection, and flexible management options, the GWN7816(P) is ideal for enterprises and medium-to-large businesses who require high-performance networks with maximum capacity and control.
Customer Challenges	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.
Customer Solutions	Ideal for enterprises and large businesses, the 48-port GWN7816(P) provides maximum layer-3 level network control, including 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. GWN7816(P) can be managed in a number of ways, including the local Web user interface of the GWN7816(P) 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.

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 IPv6 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

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	GWN7801	GWN7801P	GWN7802	GWN7802P	GWN7803	GWN7803P
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af/at, IEEE 802.1p, IEEE 802.1w, IEEE 802.1s, IEEE 802.1q, IEEE 802.1x					
Gigabit Ethernet Ports	8				4	24
Gigabit SFP Ports	2		1			
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	/	360W
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	200Gpps		400Gpps		56Gpps	
Forwarding Rate	14.88M packets per second		29.76M packets per second		41.66M packets per second	
Packet Buffer	41MB					
Switching	<ul style="list-style-type: none"> 8K static, dynamic and filtering MAC addresses 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN VLAN virtual interface (vVIF) (pending) 8 link aggregation groups Spanning tree: 64 instances for STP/RSTP/MSTP 					
Multicast	IGMP Snooping, MLD Snooping, MVR					
QoS/ACL	<ul style="list-style-type: none"> Auto detection and prioritization of voice/video/RTSP/other latency-sensitive packets (pending) Port priority Priority mapping 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, LUD(LXD) 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 and loopback protection Keypointing Security Slot (Keypointing Lock) support 					
Mounting	Desktop/Wall-Mount		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-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 10x green-color LEDs for data ports, 8x yellow-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 20x green LEDs for data ports, 16x yellow-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 20x green-color LEDs for data ports, 16x yellow-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 28x green-color LEDs for data ports, 24x yellow-color LEDs for PoE ports	1x tri-color LED for device tracking and status indication, 28x green-color LEDs for data ports, 24x yellow-color 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)		40mm(L) x 200mm(W) x 44mm(H)			
Unit Weight	1.8kg		2.6kg		3.3kg	
Package Content	Switch, 1x 1.2m(10A) AC Cable, 1x Ground Cable, 4x Rubber Feet, 2x Lug Ear		Switch, 1x 1.2m(10A) AC Cable, Rack-mounting Standard Brackets, 1x Ground Cable, 4x Rubber Feet, 2x Lug Ear			
Compliance	FCC, CE, RoHS, IC, UKCA					

03.2022.01

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Translations

English

French

German

Italian

Polish

Portuguese

Russian

Spanish

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.



48 Gigabit Ethernet ports and 6 Gigabit SFP+ ports



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



Supports deployment in IPv6 and IPv4 networks



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



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



Supports stacking 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 802.3af, IEEE 802.3ah, IEEE 802.1q, 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
# 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		215Gpps
Forwarding Rate		160.70Mpps
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 • AR 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, HTTPS, SSH, Telet • 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, Back-Mount(track-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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GWN Series Network Switches

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

Layer 3 Managed Network Switches




Enterprise Layer 3 Managed Network Switch

GWN7811(P) - GWN7812P - 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.



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



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



Supports deployment in IPv6 and IPv4 networks



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 network management platform



Built-in QoS allows for prioritization of network traffic

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	GWN7811	GWN7811P	GWN7812P	GWN7813	GWN7813P
Network Protocol	IPv4: IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3ae, IEEE 802.3af/at, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.3ad, IEEE 802.3ad, IEEE 802.3AB, IEEE 802.1r, IEEE 802.1x, IEEE 802.1y				
Gigabit Ethernet Ports	8		16		24
10Gigabit SFP+ Ports		2		4	
Console	1				
# of PoE Ports	/	8	16	/	24
Link Aggregation	10				
External Redundant Power Supply (RPS)	/	/	/	12V/5A(60W)	54V(300W)
Max Output Power per PoE Port	/	30W	30W	/	60W(1.8PoE+) 30W(2x)
Max Total PoE Output Power	/	120W	240W	/	360W
PoE Standards	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	46Gbps	112Gbps	83.52Mpps	128Gbps	128Gbps
Forwarding Rate	41.644Mpps			95.232Mpps	
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 QoS(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 AMP (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, LLD(LTR) 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 bits included)				
System LEDs	1x tri-color LED for device tracking and status indication				
Power Supply LEDs	/	/	/	/	2x bi-color LEDs for per power supply PWR&RPS
Data Transferring LEDs	10x green-color LEDs		20x green-color LEDs		28x green-color LEDs
PoE Transferring LEDs	/	8x yellow-color LEDs	16x yellow-color LEDs	/	24x yellow-color LEDs
Fan	/		2	/	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)
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") AC Cable 1x 2.5cm Ground Cable 4x Rubber Feetpads 1x Power Cord Anti-Trip 8x Screws (M3 #6) 1x Quick Installation Guide 1x Console Cable(Optional) 				
	2x Extended Rack-Mounting Kits		2x Rack-Mounting Kits		
			1x RPS, External Redundant Power Supply (Optional)		
Compliance	FCC, CE, RoHS, IC, UKCA				

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GWN Series Network Switches

GWN7700(P&PA) Series

Unmanaged Network Switches

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 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.

- 58kVA4488 Gigabit RJ45 ports, 4 port PoE output (GWN7705P & GWN7715P), 8 port PoE output (GWN7701P & GWN7702P)
- Green technology reduces power consumption
- LED Indicators: Per port Link/Activity Per device Power
- Auto MDI/MDIX crossover for all ports
- 802.3af compliant up to 30W on each port (GWN7705P/GWN7715P/ GWN7701P/GWN7702P only)
- Breakdown 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 - GWN7705P

Model	GWN7701	GWN7702P	GWN7705P
Gigabit Ports	8	8	8
PoE Ports	8	8	4
Enclosure	Desktop	Desktop	Desktop
Mounting	Desktop/Wall Mount	Desktop/Wall Mount	Desktop/Wall Mount
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Port Feature	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX
Network Media	1000Base-T/1000Base-TX/Half-Duplex	1000Base-T/1000Base-TX/Half-Duplex	1000Base-X, 1000Base-T/1000Base-TX/Half-Duplex
PoE Configuration	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 120W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 120W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 120W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8
LED Indicators	Per port: Link/Activity Green Per device Power Green	Per port: Link/Activity Green Per port: PoE output - Yellow Per device Power Green	Per port: Link/Activity Green Per device Power Green
Max Address Table	8K	8K	8K
Switching Capacity	32Gbps	32Gbps	48Gbps
Jumbo Frame	9K	9K	9K
Advanced Features	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether
Power Adapter	Internal 100-240V AC, 50/60Hz, 1.5W	Internal 100-240V AC, 50/60Hz, 1.5W	Internal 100-240V AC, 50/60Hz, 1.5W
Max Power Consumption by Base System	1.3W@220V/50Hz	1.3W@220V/50Hz (excluding PoE output power)	1.3W@220V/50Hz
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: 5% to 95% Non-condensing	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	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 (L x W x H)	Unit: 2.28KG Enter Package: 1.18KG	Unit: 2.28KG Enter Package: 1.18KG	Unit: 1.35KG Enter Package: 1.05KG
Weight	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC
Package			
Compliance	FCC, CE, RoHS, RE, UKCA	FCC, CE, RoHS, RE, UKCA	FCC, CE, RoHS, RE, UKCA

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GWN7701 - GWN7701P - GWN7701PA

Model	GWN7701	GWN7701P	GWN7701PA
Gigabit Ports	8	8	8
PoE Ports	8	8	8
Enclosure	Desktop	Desktop	Desktop
Mounting	Desktop/Wall Mount	Desktop/Wall Mount	Desktop/Wall Mount
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Port Feature	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX
Network Media	1000Base-T/1000Base-TX/Half-Duplex	1000Base-T/1000Base-TX/Half-Duplex	1000Base-X, 1000Base-T/1000Base-TX/Half-Duplex
PoE Configuration	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 240W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 240W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 240W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8
LED Indicators	Per port: Link/Activity Green Per device Power Green	Per port: Link/Activity Green Per port: PoE output - Yellow Per device Power Green	Per port: Link/Activity Green Per device Power Green
Max Address Table	8K	8K	8K
Switching Capacity	32Gbps	32Gbps	48Gbps
Jumbo Frame	9K	9K	9K
Advanced Features	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether
Power Adapter	Internal 100-240V AC, 50/60Hz, 1.5W	Internal 100-240V AC, 50/60Hz, 1.5W	Internal 100-240V AC, 50/60Hz, 1.5W
Max Power Consumption by Base System	1.3W@220V/50Hz	1.3W@220V/50Hz (excluding PoE output power)	1.3W@220V/50Hz
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: 5% to 95% Non-condensing	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	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 (L x W x H)	Unit: 2.28KG Enter Package: 1.18KG	Unit: 2.28KG Enter Package: 1.18KG	Unit: 1.35KG Enter Package: 1.05KG
Weight	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC
Package			
Compliance	FCC, CE, RoHS, RE, UKCA	FCC, CE, RoHS, RE, UKCA	FCC, CE, RoHS, RE, UKCA

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GWN7702 - GWN7702P - GWN7703

Model	GWN7702	GWN7702P	GWN7703
Gigabit Ports	16	16	24
PoE Ports	16	16	None
Enclosure	Rack	Rack	Rack
Mounting	Desktop/Wall Mount	Desktop/Wall Mount	Desktop/Wall Mount
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Port Feature	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX
Network Media	1000Base-T/1000Base-TX/Half-Duplex	1000Base-T/1000Base-TX/Half-Duplex	1000Base-X, 1000Base-T/1000Base-TX/Half-Duplex
PoE Configuration	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 192W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 192W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 192W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8
LED Indicators	Per port: Link/Activity Green Per device Power Green	Per port: Link/Activity Green Per port: PoE output - Yellow Per device Power Green	Per port: Link/Activity Green Per device Power Green
Max Address Table	8K	8K	8K
Switching Capacity	32Gbps	32Gbps	48Gbps
Jumbo Frame	9K	9K	9K
Advanced Features	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether
Power Adapter	Internal 100-240V AC, 50/60Hz, 1.5W	Internal 100-240V AC, 50/60Hz, 1.5W	Internal 100-240V AC, 50/60Hz, 1.5W
Max Power Consumption by Base System	1.3W@220V/50Hz	1.3W@220V/50Hz (excluding PoE output power)	1.3W@220V/50Hz
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: 5% to 95% Non-condensing	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	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 (L x W x H)	Unit: 1.23KG Enter Package: 1.05KG	Unit: 1.23KG Enter Package: 1.05KG	Unit: 1.35KG Enter Package: 1.05KG
Weight	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC
Package			
Compliance	FCC, CE, RoHS, RE, UKCA	FCC, CE, RoHS, RE, UKCA	FCC, CE, RoHS, RE, UKCA

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GWN7706

Model	GWN7706
Gigabit Ports	24
PoE Ports	None
Enclosure	Rack
Mounting	Desktop/Wall Mount
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Port Feature	1624x 10/100/1000Mbps RJ45 Ports Auto Negotiation AUTO MDI/MDIX
Network Media	1000Base-X, 1000Base-T/1000Base-TX/Half-Duplex
PoE Configuration	1x IEEE 802.3af compliant Up to 30 W on Each Port, Total 288W Power Budget + Download to cut off the lowest 4 priority ports Priority Port 1 to Port 8
LED Indicators	Per port: Link/Activity Green, Per device Power Green
Max Address Table	8K
Switching Capacity	100Gbps
Jumbo Frame	9K
Advanced Features	Mac Address Auto Learning And Auto-Aging IEEE 802.3x Flow Control IEEE 802.3ad Gigabit Ether
Power Adapter	Internal 100-240V AC, 50/60Hz, 1.5W
Max Power Consumption by Base System	3.0W@220V/50Hz
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: 5% to 95% Non-condensing
Dimensions (L x W x H)	Unit: 2.80KG Enter Package: 1.05KG
Weight	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x RJ45 RJ45, 1x DDC
Package	
Compliance	FCC, CE, RoHS, RE, UKCA

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GWN Series Network Switches

GWN7700M Series









2.5G Multi-Gigabit Unmanaged Network Switches

Unmanaged 2.5G Multi-Gigabit Network Switches



GWN7700M Series

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 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 for compatibility and optimal performance. The plug-and-play GWN7700M and GWN7701M 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 (fixed to 100Mbps) to monitor traffic levels	Green technology reduces power consumption	QoS - Supports Default Strict Priority when present

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GWN7700M - GWN7701M

	 GWN7700M	 GWN7701M
Gigabit Ports	5	8
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 802.1s, IEEE 802.3ae, IEEE 802.3aq	
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)
LED Indicators	Per port: Link/Activity Green Per device: Power Green	
Mac Address Table	4K	
Switching Capacity	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	
Max Power Consumption by Base System	7.0W	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: 5% to 90% Non-condensing	
Dimensions (L x W x H)	Unit: 145 x 80 x 27mm Package: 255 x 110 x 53mm	Unit: 190 x 100 x 28mm Package: 300 x 130 x 53mm
Weight	Unit: 0.3KG Entire Package: 0.52KG	Unit: 0.52KG Entire Package: 0.77KG
Package	1x Switch, 1x Power Adapter, 1x QIG	
Compliance	FCC, CE, RCM, IC, UKCA	

03.2023.01

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Translations

[English](#)

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GWN Series Network Switches

GWN7830 - GWN7831 - GWN7832

Layer 3 Aggregation Switches

GRANDSTREAM
CONNECTING THE WORLD

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 facilities network that are fully-manageable and support maximum security. It supports advanced IGMP for flexible and sophisticated traffic aggregation, advanced QoS for prioritization of network traffic, IEEE 802.1Q 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 an premium network management platform, with complete and control quality of service, flexible security settings, and support for maximum network capacity, the GWN7830 Series provides enterprise-grade Layer 3 aggregation switches that are suitable for enterprise deployment.

- Signal**: 100 Gbps Ethernet ports, 100 Gbps SFP ports, and 4 Gbps SFP ports
- Support**: Supports DHCPv6 and IPv6
- Security**: 256-bit AES, IPsec, and IPsec, 100-ports, port security, & MAC-flapping
- Management**: Supported connection to manage switch, CLI, Web, and SNMP, Management, Grandstream Cloud and GWN Manager management platform
- Scale**: Built-in QoS, allows for prioritization of network traffic

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	GWN7830	GWN7831	GWN7832
Network Protocol	IEEE 802.3, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3af, IEEE 802.3ad, IEEE 802.3at, IEEE 802.3aj, IEEE 802.3ak, IEEE 802.3an, IEEE 802.3ap, IEEE 802.3aq, IEEE 802.3ar, IEEE 802.3av, IEEE 802.3aw, IEEE 802.3ax, IEEE 802.3ay, 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		
Layer 3	<ul style="list-style-type: none"> Static Routing: Static Routing, Static Multicast Dynamic Routing: OSPF, OSPFv2, OSPFv3, OSPFv3 Multicast, IS-IS, IS-ISv3, BGP, BGPv4, BGPv6, BGPv4v6, BGPv4v6v6, BGPv6v6 IGMP: IGMP, IGMPv2, IGMPv3, IGMPv3v2, IGMPv3v3 PIM: PIM, PIMv2, PIMv6 QoS: Diffserv, Diffservv2, Diffservv3, Diffservv4, Diffservv6, Diffservv7, Diffservv8, Diffservv9, Diffservv10, Diffservv11, Diffservv12, Diffservv13, Diffservv14, Diffservv15, Diffservv16, Diffservv17, Diffservv18, Diffservv19, Diffservv20, Diffservv21, Diffservv22, Diffservv23, Diffservv24, Diffservv25, Diffservv26, Diffservv27, Diffservv28, Diffservv29, Diffservv30, Diffservv31, Diffservv32, Diffservv33, Diffservv34, Diffservv35, Diffservv36, Diffservv37, Diffservv38, Diffservv39, Diffservv40, Diffservv41, Diffservv42, Diffservv43, Diffservv44, Diffservv45, Diffservv46, Diffservv47, Diffservv48, Diffservv49, Diffservv50, Diffservv51, Diffservv52, Diffservv53, Diffservv54, Diffservv55, Diffservv56, Diffservv57, Diffservv58, Diffservv59, Diffservv60, Diffservv61, Diffservv62, Diffservv63, Diffservv64, Diffservv65, Diffservv66, Diffservv67, Diffservv68, Diffservv69, Diffservv70, Diffservv71, Diffservv72, Diffservv73, Diffservv74, Diffservv75, Diffservv76, Diffservv77, Diffservv78, Diffservv79, Diffservv80, Diffservv81, Diffservv82, Diffservv83, Diffservv84, Diffservv85, Diffservv86, Diffservv87, Diffservv88, Diffservv89, Diffservv90, Diffservv91, Diffservv92, Diffservv93, Diffservv94, Diffservv95, Diffservv96, Diffservv97, Diffservv98, Diffservv99, Diffservv100 		
Switching	<ul style="list-style-type: none"> Forwarding Table: 256K Forwarding Rate: 100 Gbps Forwarding Buffer: 100M Forwarding Engine: ASIC 		
Security	<ul style="list-style-type: none"> ACL: ACLv4, ACLv6, ACLv4v6 Port Security: Port Security, Port Securityv2, Port Securityv3, Port Securityv4, Port Securityv5, Port Securityv6, Port Securityv7, Port Securityv8, Port Securityv9, Port Securityv10, Port Securityv11, Port Securityv12, Port Securityv13, Port Securityv14, Port Securityv15, Port Securityv16, Port Securityv17, Port Securityv18, Port Securityv19, Port Securityv20, Port Securityv21, Port Securityv22, Port Securityv23, Port Securityv24, Port Securityv25, Port Securityv26, Port Securityv27, Port Securityv28, Port Securityv29, Port Securityv30, Port Securityv31, Port Securityv32, Port Securityv33, Port Securityv34, Port Securityv35, Port Securityv36, Port Securityv37, Port Securityv38, Port Securityv39, Port Securityv40, Port Securityv41, Port Securityv42, Port Securityv43, Port Securityv44, Port Securityv45, Port Securityv46, Port Securityv47, Port Securityv48, Port Securityv49, Port Securityv50, Port Securityv51, Port Securityv52, Port Securityv53, Port Securityv54, Port Securityv55, Port Securityv56, Port Securityv57, Port Securityv58, Port Securityv59, Port Securityv60, Port Securityv61, Port Securityv62, Port Securityv63, Port Securityv64, Port Securityv65, Port Securityv66, Port Securityv67, Port Securityv68, Port Securityv69, Port Securityv70, Port Securityv71, Port Securityv72, Port Securityv73, Port Securityv74, Port Securityv75, Port Securityv76, Port Securityv77, Port Securityv78, Port Securityv79, Port Securityv80, Port Securityv81, Port Securityv82, Port Securityv83, Port Securityv84, Port Securityv85, Port Securityv86, Port Securityv87, Port Securityv88, Port Securityv89, Port Securityv90, Port Securityv91, Port Securityv92, Port Securityv93, Port Securityv94, Port Securityv95, Port Securityv96, Port Securityv97, Port Securityv98, Port Securityv99, Port Securityv100 DDoS Protection: DDoS Protection, DDoS Protectionv2, DDoS Protectionv3, DDoS Protectionv4, DDoS Protectionv5, DDoS Protectionv6, DDoS Protectionv7, DDoS Protectionv8, DDoS Protectionv9, DDoS Protectionv10, DDoS Protectionv11, DDoS Protectionv12, DDoS Protectionv13, DDoS Protectionv14, DDoS Protectionv15, DDoS Protectionv16, DDoS Protectionv17, DDoS Protectionv18, DDoS Protectionv19, DDoS Protectionv20, DDoS Protectionv21, DDoS Protectionv22, DDoS Protectionv23, DDoS Protectionv24, DDoS Protectionv25, DDoS Protectionv26, DDoS Protectionv27, DDoS Protectionv28, DDoS Protectionv29, DDoS Protectionv30, DDoS Protectionv31, DDoS Protectionv32, DDoS Protectionv33, DDoS Protectionv34, DDoS Protectionv35, DDoS Protectionv36, DDoS Protectionv37, DDoS Protectionv38, DDoS Protectionv39, DDoS Protectionv40, DDoS Protectionv41, DDoS Protectionv42, DDoS Protectionv43, DDoS Protectionv44, DDoS Protectionv45, DDoS Protectionv46, DDoS Protectionv47, DDoS Protectionv48, DDoS Protectionv49, DDoS Protectionv50, DDoS Protectionv51, DDoS Protectionv52, DDoS Protectionv53, DDoS Protectionv54, DDoS Protectionv55, DDoS Protectionv56, DDoS Protectionv57, DDoS Protectionv58, DDoS Protectionv59, DDoS Protectionv60, DDoS Protectionv61, DDoS Protectionv62, DDoS Protectionv63, DDoS Protectionv64, DDoS Protectionv65, DDoS Protectionv66, DDoS Protectionv67, DDoS Protectionv68, DDoS Protectionv69, DDoS Protectionv70, DDoS Protectionv71, DDoS Protectionv72, DDoS Protectionv73, DDoS Protectionv74, DDoS Protectionv75, DDoS Protectionv76, DDoS Protectionv77, DDoS Protectionv78, DDoS Protectionv79, DDoS Protectionv80, DDoS Protectionv81, DDoS Protectionv82, DDoS Protectionv83, DDoS Protectionv84, DDoS Protectionv85, DDoS Protectionv86, DDoS Protectionv87, DDoS Protectionv88, DDoS Protectionv89, DDoS Protectionv90, DDoS Protectionv91, DDoS Protectionv92, DDoS Protectionv93, DDoS Protectionv94, DDoS Protectionv95, DDoS Protectionv96, DDoS Protectionv97, DDoS Protectionv98, DDoS Protectionv99, DDoS Protectionv100 		

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GWN Series Network Switches

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GWN Series Network Switches

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

Layer 2+ Managed Network Switches

Product Images

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

[GWN7806P \(ZIP File\)](#)



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

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- [GWN781x_2](#)
- [GWN781x_3](#)
- [GWN781x_4](#)



GWN781x_1



GWN781x_2



GWN781x_3



GWN781x_4

Feature Icons

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- [PoE](#)
- [Integrated Ports](#)
- [Security](#)
- [QoS](#)
- [Configuration](#)



Gigabit



PoE



Integrated Ports



QoS



Security



Configuration

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 \(ZIP\)](#)

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Feature Icons

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[Security](#)

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GWN7700 Series



Combined GWN7700/01



Combined GWN7702/03/06



GWN7700



GWN7700P



GWN7701



GWN7701P



GWN7701PA



Gigabit



PoE



Integrated Ports



QoS



Security



Configuration

GWN Series Network Switches

Marketing Assets - GWN7700M Series

2.5G Multi-Gigabit Unmanaged Network Switches

Product Images

[GWN7700M Series Combined](#)

[GWN7700M \(ZIP\)](#)

[GWN7701M \(ZIP\)](#)



GWN7700M Series Combined



GWN7700M



GWN7701M

Feature Icons

[2.5 Gigabit](#)
[Integrated Ports](#)

[QoS](#)

[Connectivity](#)

[LED](#)

[Quiet Fan](#)

[Monitor](#)

[Green Technology](#)



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

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[GWN7830 \(ZIP\)](#)

[GWN7831 \(ZIP\)](#)

[GWN7832 \(ZIP\)](#)



GWN7830 Series Combined



GWN7830



GWN7831



GWN7832

Feature Icons

[Gigabit](#)

[Integrated Ports](#)

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[QoS](#)



Gigabit



Integrated Ports



Security



Configuration



QoS

GWN Series Network Switches

Marketing Assets - GWN7816(P)

48-Port Layer 3 Managed Network Switch

Product Images

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



GWN7816(P)_1



GWN7816(P)_2

Feature Icons

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Gigabit



PoE



Integrated Ports



Reliability



Security



Configuration



QoS



Stacking