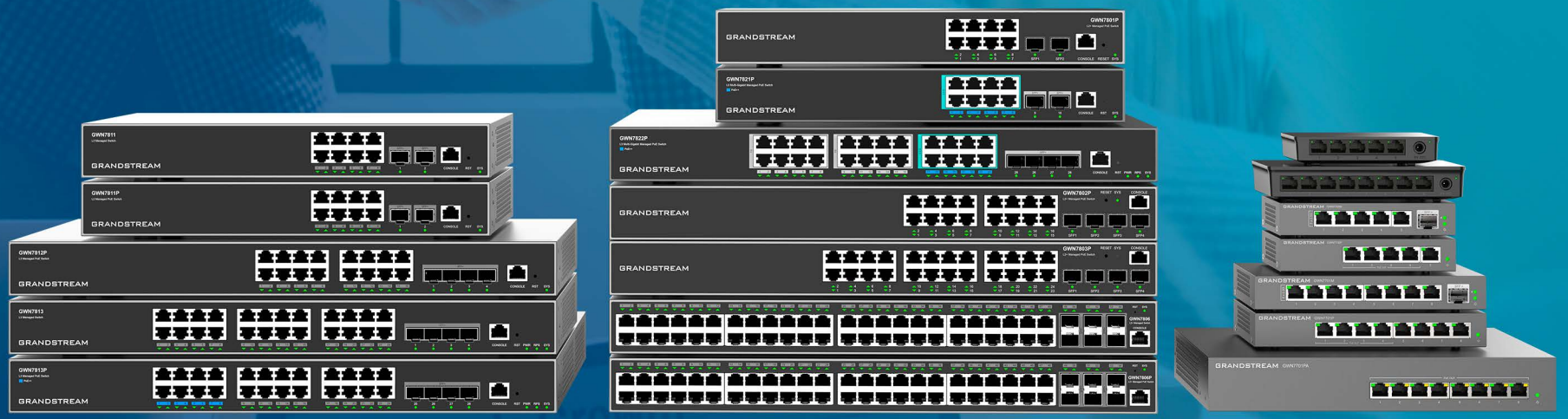
Partner Marketing Kit



GWN Series Network Switches

GWN Series Network Switches

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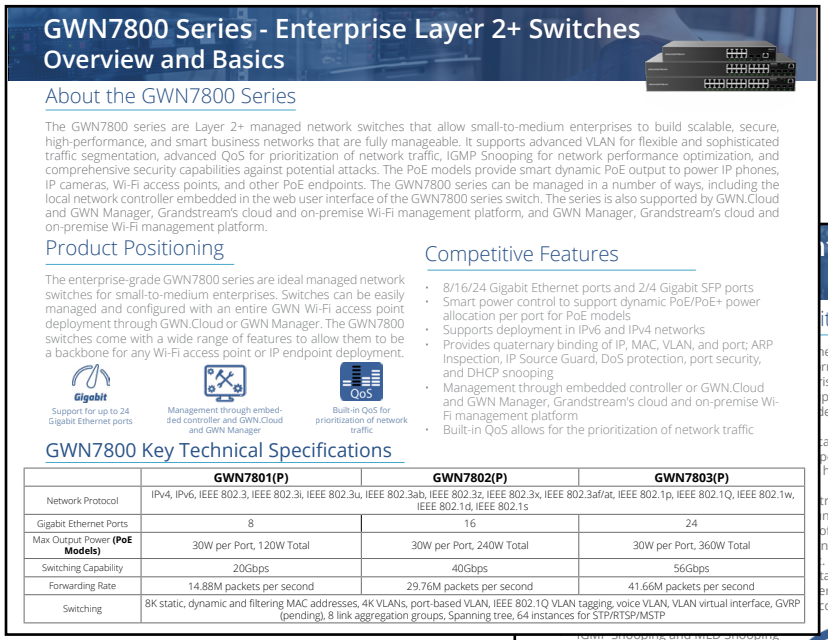
GWN Series Network Switches

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.

Gigabit — Support for up to 24 Gigabit Ethernet ports

Management through embedded controller and GWN.Cloud and GWN Manager

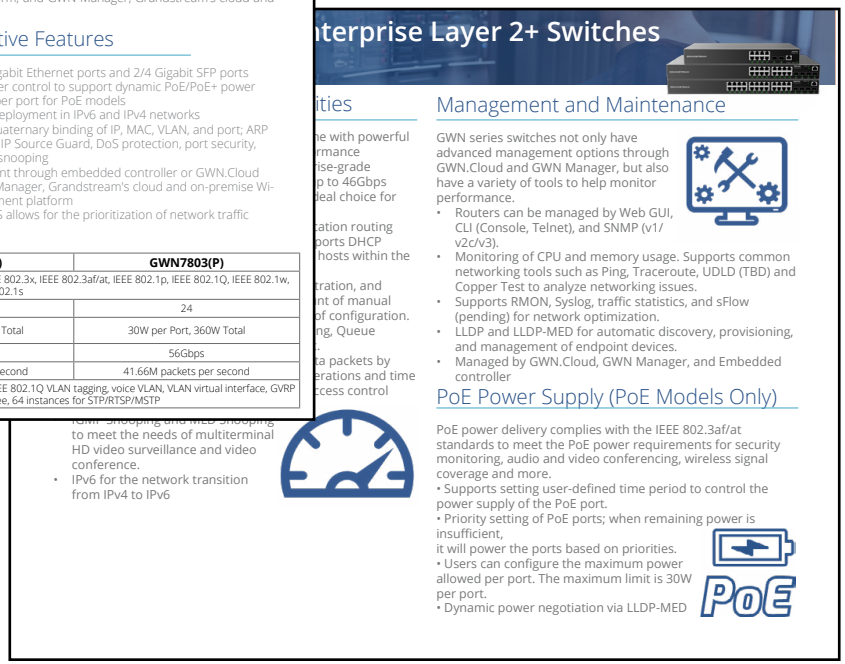
QoS — Built-in QoS for prioritization of network traffic

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/RTSP/MSTP		



nterprise Layer 2+ Switches

ities

- to meet the needs of multiterminal HD video surveillance and video conference.
- IPv6 for the network transition from IPv4 to IPv6

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

PoE

GWN7830 Series Translations
English
Spanish

GWN7810/ GWN7820 Series
English

GWN7800 Series Translations
English
Spanish

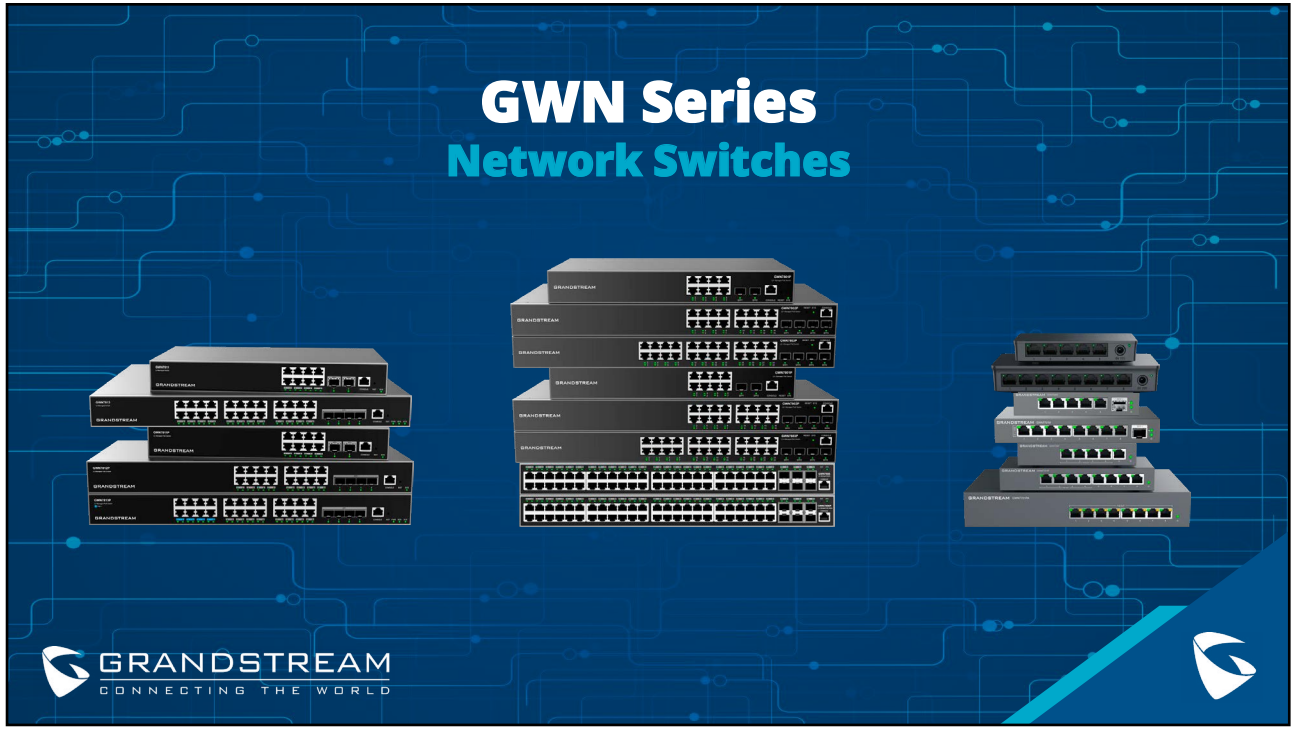
L2 Lite Switches Translations
English
Spanish

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)

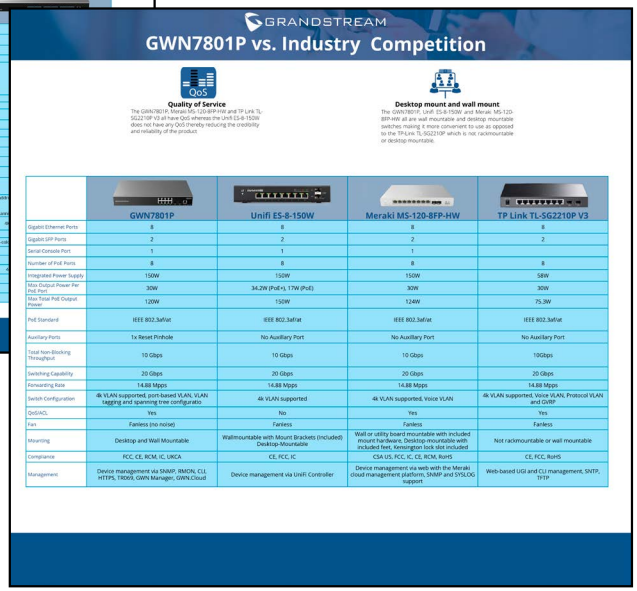
GWN Series Network Switches

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
- GWN7806P vs Competition

GWN7820 Series:
- GWN7821P vs Competition
- GWN7822P vs Competition

GWN7711(P) Series:
- GWN7711P vs Competition
- GWN7711 vs Competition

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 class-room devices, Wi-Fi APs, voice/video phones, security cameras, intercoms and more. The university also needs to provide network and communi-cation 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 connec-tion. 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 comprehensiv e 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 class-room devices, Wi-Fi APs, voice/video phones, security cameras, intercoms and more. The university also needs to provide network and communi-cation 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-per-formance 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	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. • 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. 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.
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

GRANDSTREAM
CONNECTING THE WORLD

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.

Gigabit

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

PoE

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

QoS

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 802.3i, 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	
Gigabit SFP Ports	2		4			
Console	1					
# 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	20Gbps		40Gbps		56Gbps	
Forwarding Rate	14.88M packets per second		29.76M packets per second		41.66M packets per second	
Packet Buffer	4.1MB					
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					
Multicast	IGMP Snooping, MLD Snooping, MVR					
QoS/ACL	• Auto detection and prioritization of voice/video/RTP/SIP/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, UDLD(TBD) 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		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	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	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 LEDs for data 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	/	/	/	1	/	2
Environmental	Operation: 0°Cto 45°C, humidity 10-90% RH(Non-condensing) Storage: -10°C to 60°C, humidity: 5% to 95%(Non-condensing)					
Dimensions	30mm(L)*175mm(W)*44(H)		440mm(L)*200mm(W)*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		Switch, 1x 1.2m(10A) AC Cable, Rack-mounting Standard Brackets, 1x Ground Cable, 4x Rubber Feet, 2x Lug Ear			
Compliance	FCC, CE, RCM, 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.

- 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
- 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
- QoS: Built-in QoS allows for prioritization of network traffic
- 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 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, 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 802.1s, 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	216Gbps	
Forwarding Rate	160.704Mpps	
Packet Buffer	16Mb	
Switching	• 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	• IGMP Snooping • MLD Snooping • MVR (pending)	
QoS/ACL	• Port priority • Priority mapping • Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ • Traffic shaping • Rate limit • 4K 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, UDLD(TBD) 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(pending) and loopback protection(pending) • Kensington Security Slot (Kensington Lock) support	
Mounting	Desktop, Rack-Mount(rack-mounting kits included)	
LEDs	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	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	

www.grandstream.com

Translations

English

French

German

Italian

Polish

Portuguese

Russian

Spanish

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.

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++

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

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 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x, IEEE 802.3af/at/bt, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.3az, IEEE 802.3ad, IEEE 802.3AB, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1x				
Gigabit Ethernet Ports	8		16	24	
10Gigabit SFP+ Ports	2		4		
Console	1				
# of PoE Ports	/	8	16	/	24
Link Aggregation	5		10	14	
External Redundant Power Supply(RPS)	/	/	/	12V/5A(60W)	54V(300W)
Max Output Power per PoE Port	/	30W	30W	/	60W(1-8,PoE++) 30W(9-24)
Max Total PoE Output Power	/	120W	240W	/	360W
PoE Standards	/	IEEE 802.3af/at	IEEE 802.3af/at	/	IEEE 802.3af/at/bt
Auxiliary Ports	1x Reset Pinhole				
Forwarding Mode	Store-and-forward				
Total non-blocking throughput	28Gbps		56Gbps	64Gbps	
Switching Capability	56Gbps		112Gbps	128Gbps	
Forwarding Rate	41.644Mpps		83.328Mpps	95.232Mpps	
Packet Buffer	12MB				
Switching	• 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	• Static routing • Dynamic routing, including RIP, RIPng, OSPF and OSPFv3 • Policy routing (pending)				
Multicast	• IGMP Snooping • MLD Snooping • MVR (pending)				
QoS/ACL	• 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, UDLD (TBD) 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(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	/	/	/	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 Powered 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)x300mm(W)x44mm(H)
Unit Weight	1.45Kg	2.17Kg	3.03Kg	2.94Kg	4.69Kg
Package Content	1x Switch 1x 1.2m(10A) AC Cable 1x 25cm Ground Cable 4x Rubber Footpads 1x Power Cord Anti-Trip 8x Screws (KM 3*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, RCM, IC, UKCA				

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Translations

English

French

German

Italian

Polish

Portuguese

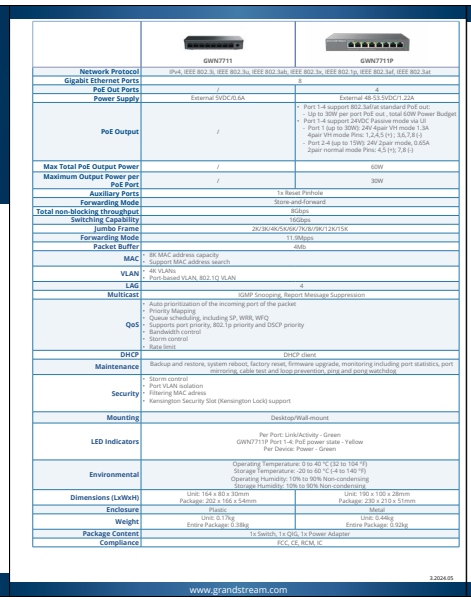
Russian

Spanish

GWN Series Network Switches

GWN7711 (P)

Layer 2 Lite Managed Network Switches



	GWN7711	GWN7711P
Network Protocol	IPv4, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	
Gigabit Ethernet Ports	8	
PoE Out Ports	/	4
Power Supply	External 54VDC/0.6A	External 48-53.5VDC/1.22A
PoE Output	/	• Port 1-4 support 802.3af/at standard PoE out: - Up to 30W per port PoE out , total 60W Power Budget • Port 1-4 support 24VDC Passive mode via UI - Port 1 (up to 30W): 24V 4pair VM mode 1.3A 4pair VM mode Pins: 1,2,4,5 (+) ; 3,6,7,8 (-) - Port 2-4 (up to 15W): 24V 2pair mode, 0.65A 2pair normal mode Pins: 4,5 (+); 7,8 (-)
Max Total PoE Output Power	/	60W
Maximum Output Power per PoE Port	/	30W
Auxiliary Ports	1x Reset Pinhole	
Forwarding Mode	Store-and-forward	
Total non-blocking throughput	8Gbps	
Switching Capability	16Gbps	
Jumbo Frame	2K/3K/4K/5K/6K/7K/8/9K/12K/15K	
Forwarding Mode	11.9Mpps	
Packet Buffer	4Mb	
MAC	• 8K MAC address capacity • Support MAC address search	
VLAN	• 4K VLANs • Port-based VLAN, 802.1Q VLAN	
LAG	4	
Multicast	IGMP Snooping, Report Message Suppression	
QoS	• Auto-prioritization of the incoming port of the packet • Priority Mapping • Queue scheduling, including SP, WRR, WFQ • Supports port priority, 802.1p priority and DSCP priority • Bandwidth control • Storm control • Rate limit	
DHCP	DHCP client	
Maintenance	Backup and restore, system reboot, factory reset, firmware upgrade, monitoring including port statistics, port mirroring, cable test and loop prevention, ping and pong watchdog	
Security	• Storm control • Port VLAN isolation • Filtering MAC adress • Kensington Security Slot (Kensington Lock) support	
Mounting	Desktop/Wall-mount	
LED Indicators	Per Port: Link/Activity - Green GWN7711P Port 1-4: PoE power state - Yellow Per Device: Power - Green	
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 (LxWxH)	Unit: 164 x 80 x 30mm Package: 202 x 166 x 54mm	Unit: 190 x 160 x 28mm Package: 230 x 210 x 51mm
Enclosure	Plastic	Metal
Weight	Unit: 0.17kg Entire Package: 0.38kg	Unit: 0.44kg Entire Package: 0.92kg
Package Content	1x Switch, 1x QIG, 1x Power Adapter	
Compliance	FCC, CE, RCM, IC	

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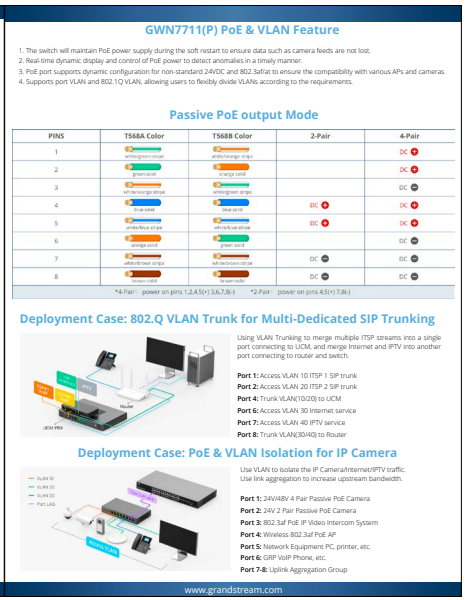

GWN7711(P) PoE & VLAN Feature

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

Passive PoE output Mode

PINS	T568A Color	T568B Color	2-Pair	4-Pair
1	white/green stripe	white/orange stripe		DC +
2	green solid	orange solid		DC +
3	white/orange stripe	white/green stripe		DC -
4	blue solid	blue solid	DC +	DC +
5	white/blue stripe	white/blue stripe	DC +	DC +
6	orange solid	green solid		DC -
7	white/brown stripe	white/brown stripe	DC -	DC -
8	brown solid	brown solid	DC -	DC -

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

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

Using VLAN Trunking to merge multiple ITSP 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 VLAN(10/20) to UCM
Port 6: Access VLAN 30 Internet service
Port 7: Access VLAN 40 IPTV service
Port 8: Trunk VLAN(30/40) 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: Wireless 802.3af PoE AP
Port 5: Network Equipment PC, printer, etc.
Port 6: GRP VoIP Phone, etc.
Port 7-8: Uplink Aggregation Group

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Translations

English

French

German

Italian

Polish

Portuguese

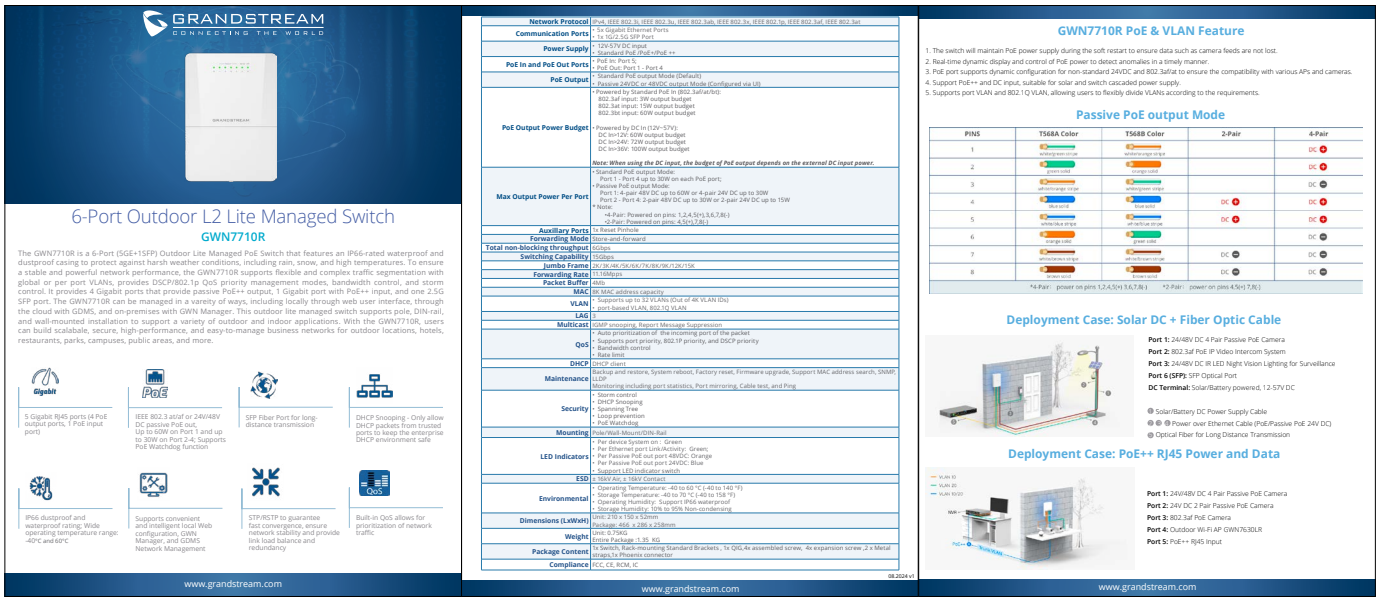
Russian

Spanish

GWN Series Network Switches

GWN7710R

Layer 2 Lite Managed Network Switches



GRANDSTREAM
CONNECTING THE WORLD

6-Port Outdoor L2 Lite Managed Switch

GWN7710R

The GWN7710R is a 6-Port (5GE+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 GDMS, 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 scalabale, secure, high-performance, and easy-to-manage business networks for outdoor locations, hotels, restaurants, parks, campuses, public areas, and more.

Gigabit
5 Gigabit RJ45 ports (4 PoE output ports, 1 PoE input port)

PoE
IEEE 802.3 at/af 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 GDMS Network Management

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

QoS
Built-in QoS allows for prioritization of network traffic

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Network Protocol	IPv4, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Communication Ports	• 5x Gigabit Ethernet Ports • 1x 1G/2.5G SFP Port
Power Supply	• 12V-57V DC input • Standard PoE: PoE+/PoE ++
PoE In and PoE Out Ports	• PoE In: Port 5; • PoE Out: Port 1 - Port 4
PoE Output	• Standard PoE output Mode (Default) • Passive 24V/DC or 48V/DC output Mode (Configured via UI)
PoE Output Power Budget	• Powered by Standard PoE In (802.3af/at/bt): 802.3af input: 3W output budget 802.3at input: 15W output budget 802.3bt input: 60W output budget • Powered by DC In (12V~57V): DC In=12V: 60W output budget DC In=24V: 72W output budget DC In=36V: 100W output budget ***Note: When using the DC input, the budget of PoE output depends on the external DC input power.***
Max Output Power Per Port	• Standard PoE output Mode: Port 1 - Port 4 up to 30W on each PoE port; • Passive PoE output Mode: Port 1-4 support 48V DC up to 60W or 4-pair 24V DC up to 30W Port 2 - Port 4: 2-pair 48V DC up to 30W or 2-pair 24V DC up to 15W * Note: *4-Pair: Powered on pins: 1,2,4,5(+) 3,6,7,8(-) *2-Pair: Powered on pins: 4,5(+) 7,8(-)
Auxiliary Ports	1x Reset Pinhole
Forwarding Mode	Store-and-forward
Total non-blocking throughput	5Gbps
Switching Capability	5Gbps
Jumbo Frame	2K/3K/4K/5K/6K/7K/8K/9K/12K/15K
Forwarding Rate	11.16Mpps
Packet Buffer	4Mb
MAC	8K MAC address capacity
VLAN	• Supports up to 32 VLANs (Out of 4K VLAN IDs) • port-based VLAN, 802.1Q VLAN
LAG	3
Multicast	IGMP snooping, Report Message Suppression
QoS	• Auto prioritization of the incoming port of the packet • Supports port priority, 802.1P priority, and DSCP priority • Bandwidth control • Rate limit
DHCP	DHCP client
Maintenance	Backup and restore, System reboot, Factory reset, Firmware upgrade, Support MAC address search, SNMP, LLDP Monitoring including port statistics, Port mirroring, Cable test, and Ping
Security	• Storm control • DHCP Snooping • Spanning Tree • Loop prevention • PoE Watchdog
Mounting	Pole/Wall-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	± 16kV Air, ± 16kV Contact
Environmental	• Operating Temperature: -40 to 60 °C (-40 to 140 °F) • Storage Temperature: -40 to 70 °C (-40 to 158 °F) • Operating Humidity: Support IP66 waterproof • Storage Humidity: 10% to 95% Non-condensing
Dimensions (LxWxH)	Unit: 210 x 150 x 52mm Package: 456 x 286 x 258mm
Weight	Unit: 0.75KG Entire Package :1.35 KG
Package Content	1x Switch, Rack-mounting Standard Brackets , 1x QIG,4x assembled screw, 4x expansion screw ,2 x Metal straps,1x Phoenix connector
Compliance	FCC, CE, RCM, IC

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GWN7710R PoE & VLAN Feature

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

Passive PoE output Mode

PINS	T568A Color	T568B Color	2-Pair	4-Pair
1	white/green stripe	white/orange stripe		DC +
2	green solid	orange solid		DC +
3	white/orange stripe	white/green stripe		DC -
4	blue solid	blue solid	DC +	DC +
5	white/blue stripe	white/blue stripe	DC +	DC +
6	orange solid	green solid		DC -
7	white/brown stripe	white/brown stripe	DC -	DC -
8	brown solid	brown solid	DC -	DC -

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

Deployment Case: Solar DC + Fiber Optic Cable

Port 1: 24/48V DC 4 Pair Passive PoE Camera
Port 2: 802.3af PoE IP Video Intercom System
Port 3: 24/48V DC IR LED Night Vision Lighting for Surveillance
Port 6 (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

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Translations

English

French

German

Italian

Polish

Portuguese

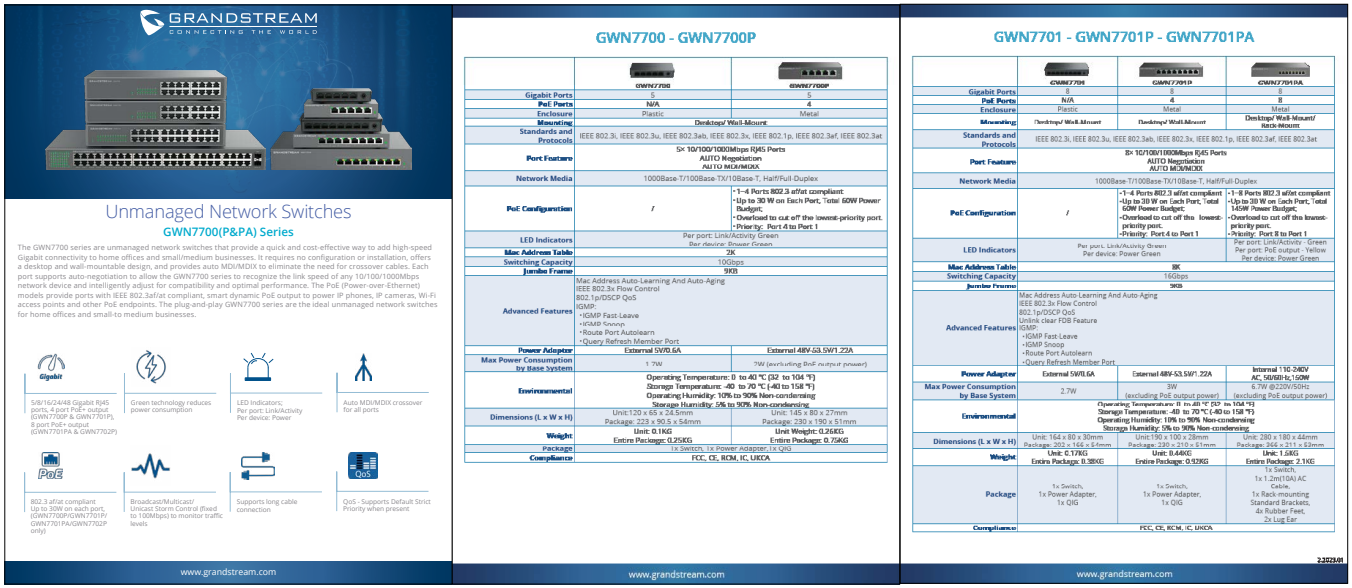
Russian

Spanish

GWN Series Network Switches

GWN7700(P&PA) Series

Unamanged 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.

Gigabit
5/8/16/24/48 Gigabit RJ45 ports, 4 port PoE+ output (GWN7700P & GWN7701P), 8 port PoE+ output (GWN7701PA & GWN7702P)

Green technology reduces power consumption

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

Auto MDI/MDIX crossover for all ports

PoE
802.3 af/at compliant Up to 30W on each port, (GWN7700P/GWN7701P/ GWN7701PA/GWN7702P only)

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

Supports long cable connection

QoS
QoS - Supports Default Strict Priority when present

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GWN7700 - GWN7700P

	GWN7700	GWN7700P
Gigabit Ports	5	5
PoE Ports	N/A	4
Enclosure	Plastic	Metal
Mounting	Desktop/ Wall-Mount	
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	
Port Feature	5× 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX	
Network Media	1000Base-T/100Base-TX/10Base-T, Half/Full-Duplex	
PoE Configuration	/	•1~4 Ports 802.3 af/at compliant •Up to 30 W on Each Port, Total 60W Power Budget; •Overload to cut off the lowest-priority port. •Priority: Port 4 to Port 1
LED Indicators	Per port: Link/Activity Green Per device: Power Green	
Mac Address Table	2K	
Switching Capacity	10Gbps	
Jumbo Frame	9KB	
Advanced Features	Mac Address Auto-Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS IGMP: •IGMP Fast-Leave •IGMP Snoop •Route Port Autolearn •Query Refresh Member Port	
Power Adapter	External 5V/0.6A	External 48V-53.5V/1.22A
Max Power Consumption by Base System	1.7W	7W (excluding PoE output power)
Environmental	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 90% Non-condensing	
Dimensions (L x W x H)	Unit:120 x 65 x 24.5mm Package: 223 x 90.5 x 54mm	Unit: 145 x 80 x 27mm Package: 230 x 190 x 51mm
Weight	Unit: 0.1KG Entire Package: 0.25KG	Unit Weight: 0.26KG Entire Package: 0.75KG
Package	1x Switch, 1x Power Adapter, 1x QIG	
Compliance	FCC, CE, RCM, IC, UKCA	

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GWN7701 - GWN7701P - GWN7701PA

	GWN7701	GWN7701P	GWN7701PA
Gigabit Ports	8	8	8
PoE Ports	N/A	4	8
Enclosure	Plastic	Metal	Metal
Mounting	Desktop/ Wall-Mount	Desktop/ Wall-Mount	Desktop/ Wall-Mount/ Rack-Mount
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at		
Port Feature	8× 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX		
Network Media	1000Base-T/100Base-TX/10Base-T, Half/Full-Duplex		
PoE Configuration	/	•1~4 Ports 802.3 af/at compliant •Up to 30 W on Each Port, Total 60W Power Budget; •Overload to cut off the lowest-priority port. •Priority: Port 4 to Port 1	•1~8 Ports 802.3 af/at compliant •Up to 30 W on Each Port, Total 145W Power Budget; •Overload to cut off the lowest-priority port. •Priority: Port 8 to Port 1
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
Mac Address Table	8K		
Switching Capacity	16Gbps		
Jumbo Frame	9KB		
Advanced Features	Mac Address Auto-Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS Unlink clear FDB Feature IGMP: •IGMP Fast-Leave •IGMP Snoop •Route Port Autolearn •Query Refresh Member Port		
Power Adapter	External 5V/1.6A	External 48V-53.5V/1.22A	Internal 110-240V AC, 50/60Hz,150W
Max Power Consumption by Base System	2.7W	3W (excluding PoE output power)	6.7W @220V/50Hz (excluding PoE output power)
Environmental	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 90% Non-condensing		
Dimensions (L x W x H)	Unit: 164 x 80 x 30mm Package: 202 x 166 x 56mm	Unit:190 x 100 x 28mm Package: 235 x 210 x 51mm	Unit: 280 x 180 x 44mm Package: 366 x 211 x 53mm
Weight	Unit: 0.17KG Entire Package: 0.38KG	Unit: 0.44KG Entire Package: 0.92KG	Unit: 1.6KG Entire Package: 2.1KG
Package	1x Switch, 1x Power Adapter, 1x QIG	1x Switch, 1x Power Adapter, 1x QIG	1x Switch, 1x 1.2m(10A) AC Cable, 1x Rack-mounting Standard Brackets, 4x Rubber Feet, 2x Lug Ear
Compliance	FCC, CE, RCM, IC, UKCA		

2.2023.01

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GWN7702 - GWN7702P - GWN7703



	GWN7702	GWN7702P	GWN7703
Gigabit Ports	16	16	24
PoE Ports	N/A	8	N/A
Enclosure	Metal		
Mounting	Desktop/Rack-Mount		
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at		
Port Feature	16/24× 10/100/1000Mbps RJ45 Ports AUTO Negotiation AUTO MDI/MDIX		
Network Media	1000Base-T/100Base-TX/10Base-T, Half/Full-Duplex		
PoE Configuration	/	•1~8 Ports 802.3 af/at compliant •Up to 30 W on Each Port, Total 138W Power Budget; •Overload to cut off the lowest- s priority port. •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
Mac Address Table	8K		
Switching Capacity	32Gbps	32Gbps	48Gbps
Jumbo Frame	10KB		
Advanced Features	Mac Address Auto-Learning And Auto-Aging IEEE 802.3x Flow Control Half-duplex backpressure		
Power Adapter	Internal 100-240V AC, 50/60Hz,18W	Internal 100-240V AC, 50/60Hz,150W	Internal 100-240V AC, 50/60Hz,18W
Max Power Consumption by Base System	8W@220V/50Hz	10.1W@220V/50Hz (excluding PoE output power)	13W@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: 10% to 90% Non-condensing		
Dimensions (L x W x H)	Unit: 280 x 180 x 44mm; Package: 366 x 211 x 53mm		
Weight	Unit: 1.23KG Entire Package: 1.83KG	Unit: 1.58KG Entire Package: 2.18KG	Unit: 1.35KG Entire Package: 1.95KG
Package	1x Switch, 1x 1.2m AC Cable, Rack-mounting Standard Brackets, 4x Rubber Feet, 1x QIG		
Compliance	FCC, CE, RCM, IC, UKCA		

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GWN7706

	GWN7706
Gigabit Ports	48
Enclosure	Metal
Mounting	Desktop/ Rack-Mount
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p
Port Feature	48× 10/100/1000 Mbps RJ-45 Ports 2× SFP Fiber Ports AUTO Negotiation, AUTO MDI/MDIX
Network Media	1000Base-X, 1000Base-T/100Base-TX/10Base-Te, Half/Full-Duplex
LED Indicators	Per port: Link/Activity Green, Per device: Power Green
Mac Address Table	16K
Switching Capacity	100Gbps
Jumbo Frame	9KB
Advanced Features	Mac Address Auto-Learning And Auto-Aging IEEE 802.3x Flow Control 802.1p/DSCP QoS
Power Adapter	Internal 100-240V AC,50/60Hz,40W
Max Power Consumption by Base System	30W@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: 10% to 90% Non-condensing
Dimensions (L x W x H)	Unit: 440 x 200 x 44mm Package: 500*335*89mm
Weight	Unit: 2.80Kg Entire Package: 3.60Kg
Package	1x Switch 1x 1.2m AC Cable Rack-mounting Standard Brackets 4x Rubber Fee 1x GND Cable 1x QIG
Compliance	FCC, CE, RCM, IC, UKCA

5.2023.01

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Translations

English

French

German

Italian

Polish

Portuguese

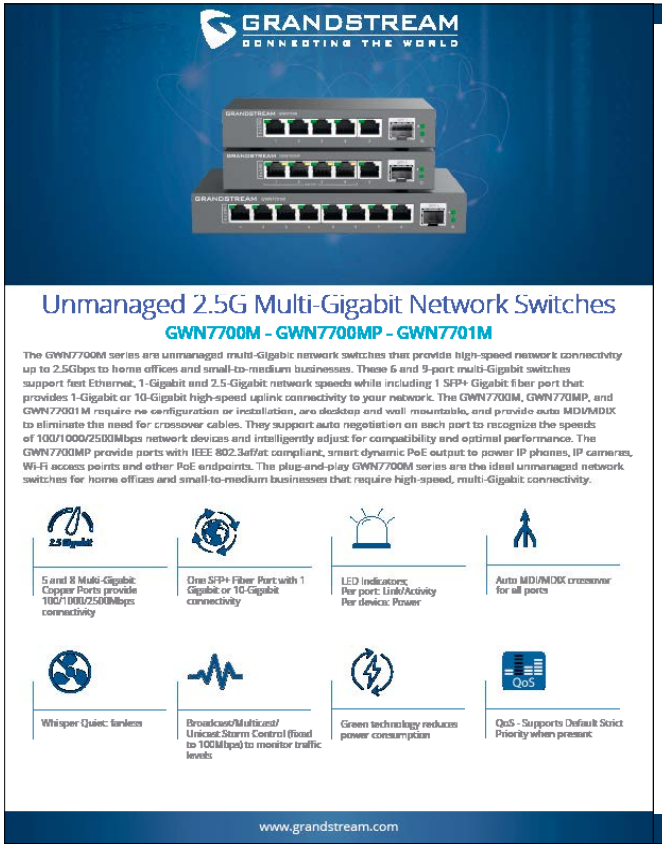
Russian

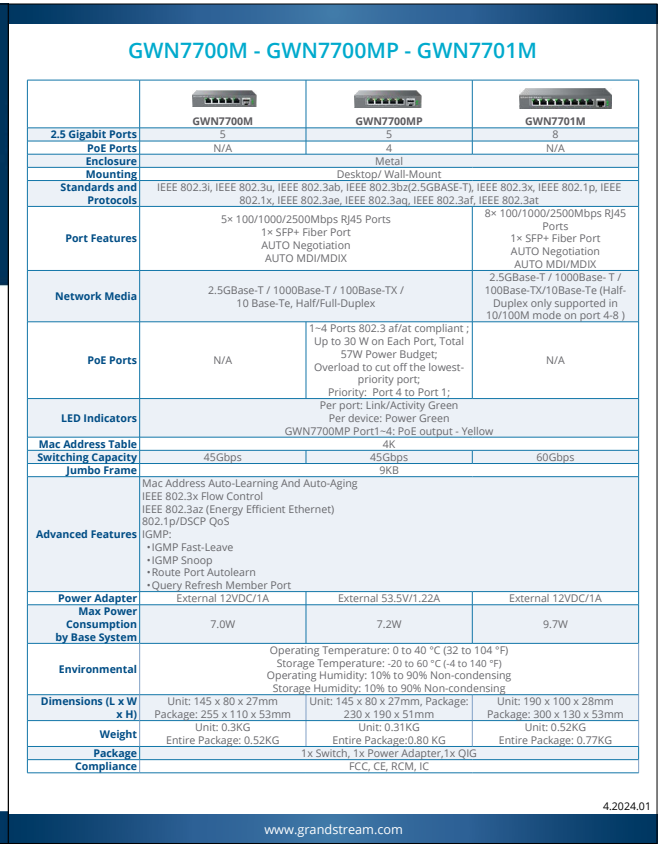
Spanish

GWN Series Network Switches

GWN7700M / GWN7700MP / GWN7701M Series

2.5G Multi-Gigabit Unmanaged Network Switches





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 802.3aq, IEEE 802.3af, IEEE 802.3at		
Port Features	5× 100/1000/2500Mbps RJ45 Ports 1× SFP+ Fiber Port AUTO Negotiation AUTO MDI/MDIX		8× 100/1000/2500Mbps RJ45 Ports 1× 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 af/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

French

German

Italian

Polish

Portuguese

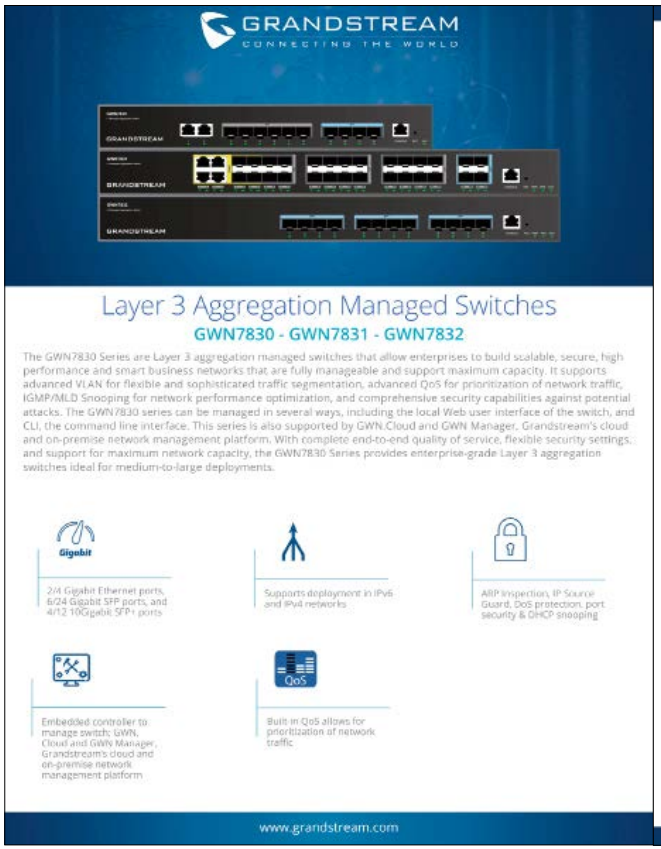
Russian

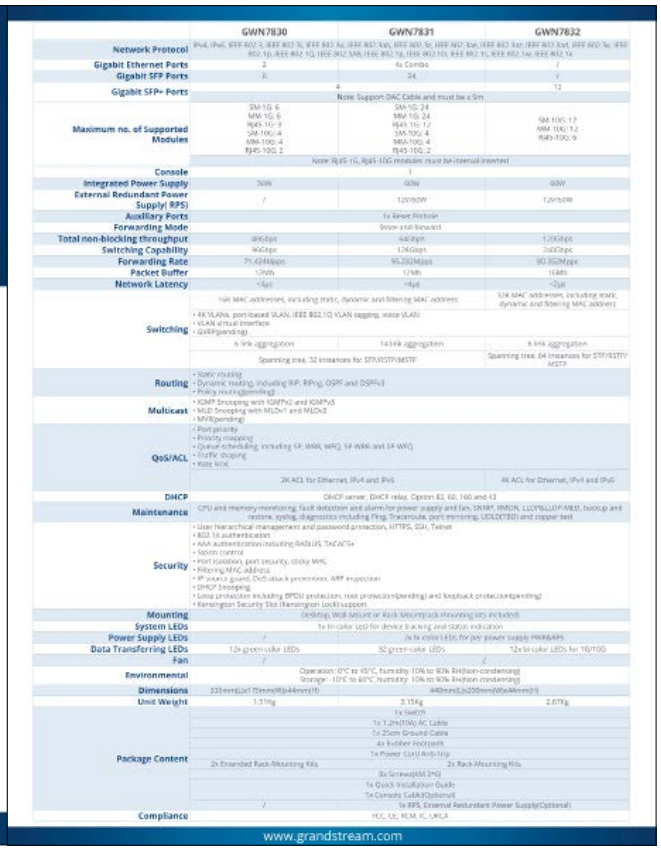
Spanish

GWN Series Network Switches

GWN7830 - GWN7831 - GWN7832

Layer 3 Aggregation Switches





	GWN7830	GWN7831	GWN7832
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3ah, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1AB, IEEE 802.1X, IEEE 802.1D, IEEE 802.1S, IEEE 802.1w, IEEE 802.1x		
Gigabit Ethernet Ports	2	4x Combo	/
Gigabit SFP Ports	6	24	8
Gigabit SFP+ Ports	4		12
	Note: Support DAC Cable and must be a Sm		
Maximum no. of Supported Modules	SM-1G: 6 MM-1G: 6 RJ45-1G: 6 SM-10G: 4 MM-10G: 4 RJ45-10G: 2	SM-1G: 24 MM-1G: 24 RJ45-1G: 12 SM-10G: 4 MM-10G: 4 RJ45-10G: 2	SM-10G: 12 MM-10G: 12 RJ45-10G: 6
	Note: RJ45-1G, RJ45-10G modules must be inserted lowest		
Console	1		
Integrated Power Supply	300W	600W	600W
External Redundant Power Supply(RPS)	/	1200W	1200W
Auxiliary Ports	1x Reset Pinhole		
Forwarding Mode	Store-and-forward		
Total non-blocking throughput	400Gbps	440Gbps	520Gbps
Switching Capability	440Gbps	528Gbps	760Gbps
Forwarding Rate	71.4Mpps	95.232Mpps	113.256Mpps
Packet Buffer	12MB	12MB	16MB
Network Latency	<4µs	<4µs	<2µs
	16K MAC addresses, including static, dynamic and filtering MAC addresses		32K MAC addresses, including static, dynamic and filtering MAC addresses
Switching	• 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN • VLAN virtual interface • GVRP(pending)		
	8 link aggregation	14 link aggregation	8 link aggregation
	Spanning tree, 32 instances for STP/RSTP/MSTP		Spanning tree, 64 instances for STP/RSTP/MSTP
Routing	• Static routing • Dynamic routing, including RIP, RIPng, OSPF and OSPFv3 • Policy routing(pending)		
Multicast	• IGMP Snooping with IGMPv2 and IGMPv3 • MLD Snooping with MLDv1 and MLDv2 • MVR(pending)		
QoS/ACL	• Port priority • Priority mapping • Queue scheduling, including SP, WRR, WRQ, SP-WRR and SP-WRQ • Traffic shaping • Rate limit		
	2K ACL for Ethernet, IPv4 and IPv6		4K ACL for Ethernet, IPv4 and IPv6
DHCP	DHCP server, DHCP relay, Option 82, 60, 160 and 43		
Maintenance	CPU and memory monitoring, fault detection and alarm for power supply and fan, SNMP, HMON, LLDP&LLDP-MED, backup and restore, syslog, diagnostics including Ping, Traceroute, port mirroring, UDLD(TBD) and copper test		
Security	• User hierarchical management and password protection, HTTPS, SSH, Telnet • 802.1x authentication • AAA authentication including RADIUS, TACACS+ • Session 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	/	2x tri-color LEDs for per power supply PWR&RPS	
Data Transferring LEDs	12x green-color LEDs	32 green-color LEDs	12x tri-color LEDs for 1G/10G
Fan	/	2	
Environmental	Operation: 0°C to 45°C, humidity: 10% to 90% RH(non-condensing) Storage: -10°C to 65°C, humidity: 10% to 90% RH(non-condensing)		
Dimensions	330mm(L)x175mm(W)x44mm(H)		440mm(L)x200mm(W)x44mm(H)
Unit Weight	1.51kg	3.15kg	2.67kg
Package Content	1x Switch 1x 1.2m(10A) AC Cable 1x 25cm Ground Cable 4x Rubber Footpads 1x Power Cord Anti-slip		
	2x Extended Rack-Mounting Kits	2x Rack-Mounting Kits	
	8x Screws(M4 2*6) 1x Quick Installation Guide 1x Console Cable(Optional)		
	/	1x RPS, External Redundant Power Supply(Optional)	
Compliance	FCC, CE, RCM, IC, UKCA		

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Translations

English

French

German

Italian

Polish

Portuguese

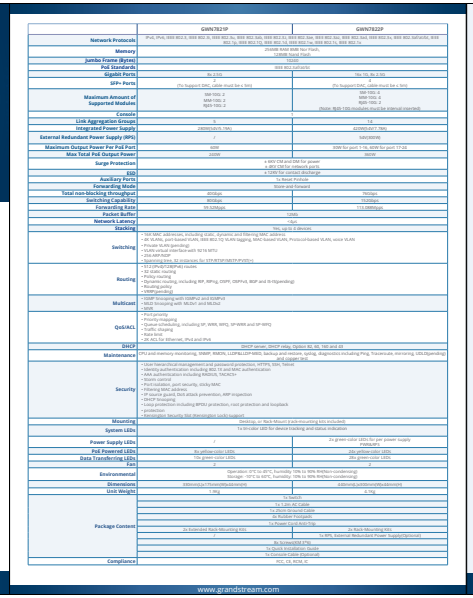
Russian

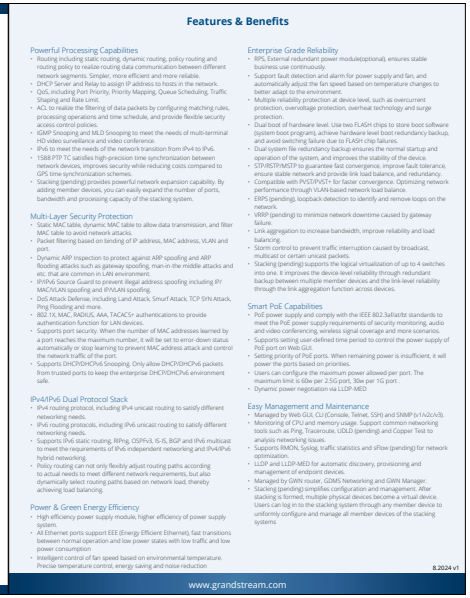
Spanish

GWN Series Network Switches

GWN7821P - GWN7822P

Layer 3 Multi-Gigabit Switches





Translations

English

French

German

Italian

Polish

Portuguese

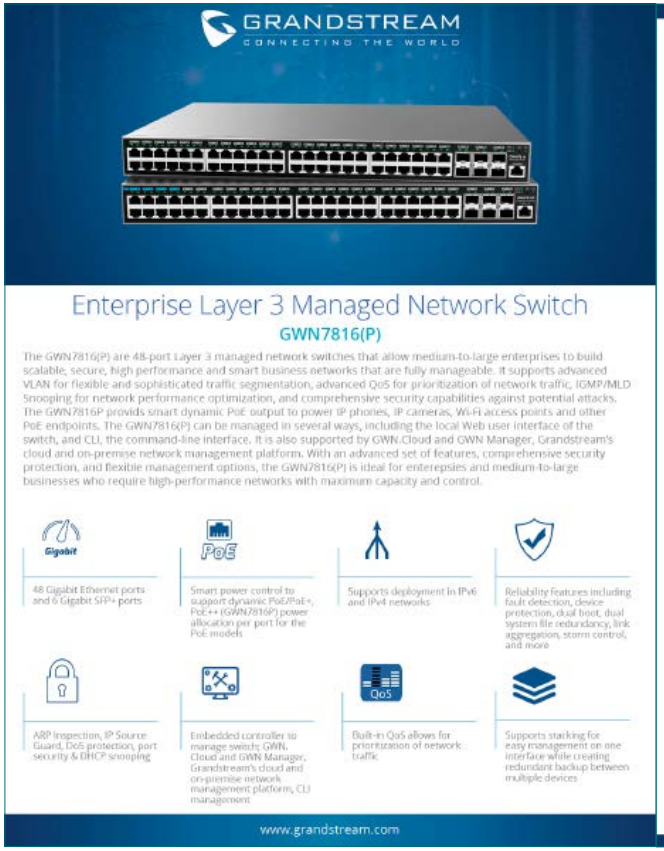
Russian

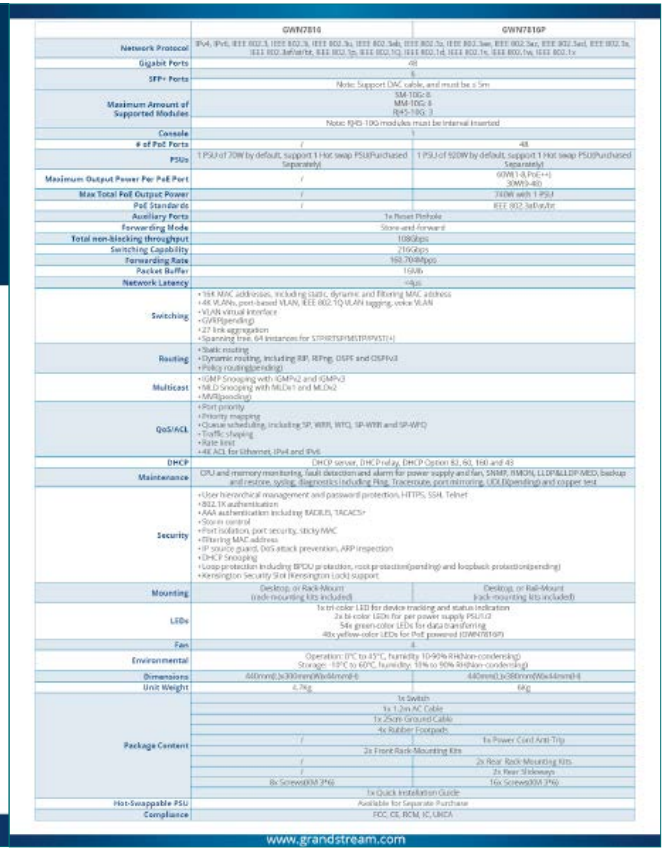
Spanish

GWN Series Network Switches

GWN7816(P)

48-Port Layer 3 Managed Network Switch





	GWN7816	GWN7816P
Network Protocol	IPv4, IPv6, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3az, IEEE 802.3at, IEEE 802.3x, IEEE 802.3ad with LACP, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x	
Gigabit Ports	48	
SFP+ Ports	6	
Maximum Amount of Supported Modules	Note: Support DAC cable, and must be ≤ 5m SM-10G-S MM-10G-S RJ45-10G-S Note: RJ45-10G modules must be interval inserted	
Console	1	
# of PoE Ports	/	48
PSUs	1 PSU of 70W by default, support 1 Hot swap PSU(Purchased Separately)	1 PSU of 920W by default, support 1 Hot swap PSU(Purchased Separately)
Maximum Output Power Per PoE Port	/	60W(1-8,PoE++) 30W(9-48)
Max Total PoE Output Power	/	740W with 1 PSU
PoE Standards	/	IEEE 802.3at/af/bt
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	
Network Latency	<4µs	
Switching	• 16K MAC addresses, including static, dynamic and filtering MAC address • 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/PVST+	
Routing	• Static routing • Dynamic routing, including RIP, RIPng, OSPF and OSPFv3 • Policy routing(pending)	
Multicast	• IGMP Snooping with IGMPv2 and IGMPv3 • MLD Snooping with MLDv1 and MLDv2 • MVR(pending)	
QoS/ACL	• Port priority • Priority mapping • Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ • Traffic shaping • Rate limit • 4K ACL for Ethernet, IPv4 and IPv6	
DHCP	DHCP server, DHCP relay, DHCP Option 82, 60, 160 and 43	
Maintenance	CPU and memory monitoring, fault detection and alarm for power supply and fan, SNMP, RMON, LLDP&LLDP-MED, backup and restore, syslog, diagnostics including Ping, Traceroute, port mirroring, UDLD(pending) 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(pending) and loopback protection(pending) • Kensington Security Slot (Kensington Lock) support	
Mounting	Desktop, or Rack-Mount (rack-mounting kits included)	Desktop, or Rail-Mount (rack-mounting kits included)
LEDs	1x tri-color LED for device tracking and status indication 2x bi-color LEDs for per power supply PSU1/2 54x green-color LEDs for data transforming 48x yellow-color LEDs for PoE powered (GWN7816P)	
Fan	1	
Environmental	Operation: 0°C to 45°C, humidity 10-90% RH(non-condensing) Storage: -10°C to 60°C, humidity 10% to 90% RH(non-condensing)	
Dimensions	440mm(L)x300mm(W)x44mm(H)	440mm(L)x386mm(W)x44mm(H)
Unit Weight	4.7kg	6kg
Package Content	1x Switch 1x 1.2m AC Cable 1x 25cm Ground Cable 4x Rubber Footpads /	1x Power Cord Anti-Trip
	2x Front Rack-Mounting Kits /	2x Rear Rack-Mounting Kits
	/	2x Rear Slideways
	8x Screws(M3*6)	16x Screws(M3*6)
	1x Quick Installation Guide	
Hot-Swappable PSU	Available for Separate Purchase	
Compliance	FCC, CE, RCM, IC, UKCA	

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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)

GWN7810 Series (PNG)
GWN7810 Series (PSD)

GWN7806(P) (PNG)
GWN7806(P) (PSD)

GWN7700 Series (PNG)
GWN7700 Series (PSD)

GWN7700M/MP_GWN7701M (PNG)
GWN7700M/MP_GWN7701M (PSD)

GWN7711(P) (PNG)
GWN7711(P) (PSD)

GWN7710R (PNG)
GWN7710R (PSD)

GWN7830 Series (PNG)
GWN7830 Series (PSD)

GWN7821P/GWN7822P (PNG)
GWN7821P/GWN7822P (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)

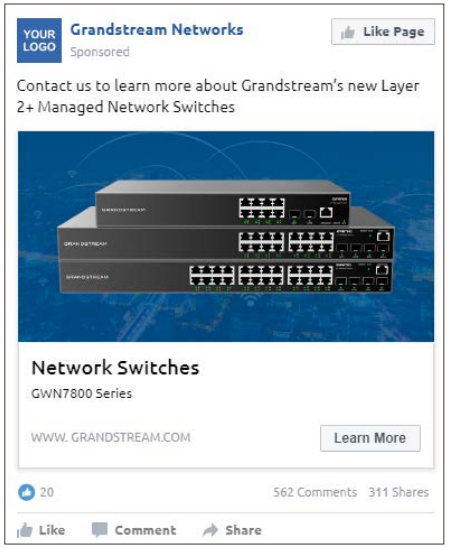
GWN7711(P) (PNG)

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)

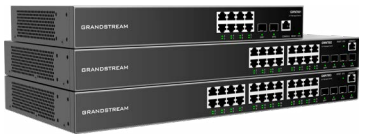
Layer 2+ Managed Network Switches

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)
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

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

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

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

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)

Feature Icons

Gigabit
PoE
Integrated Ports
Security
QoS
Configuration

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 - 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

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

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