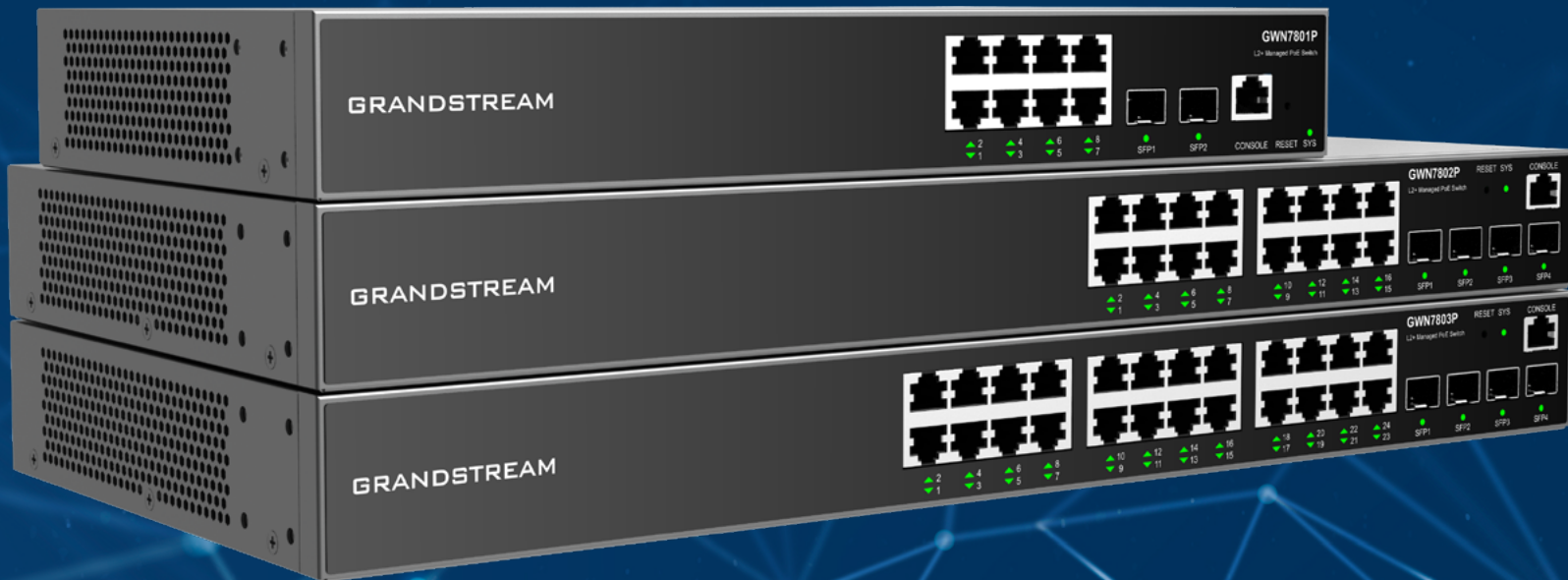


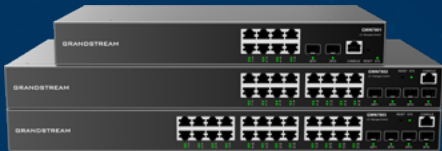


GRANDSTREAM
CONNECTING THE WORLD

GWN Series

Managed & Unmanaged Network Switches

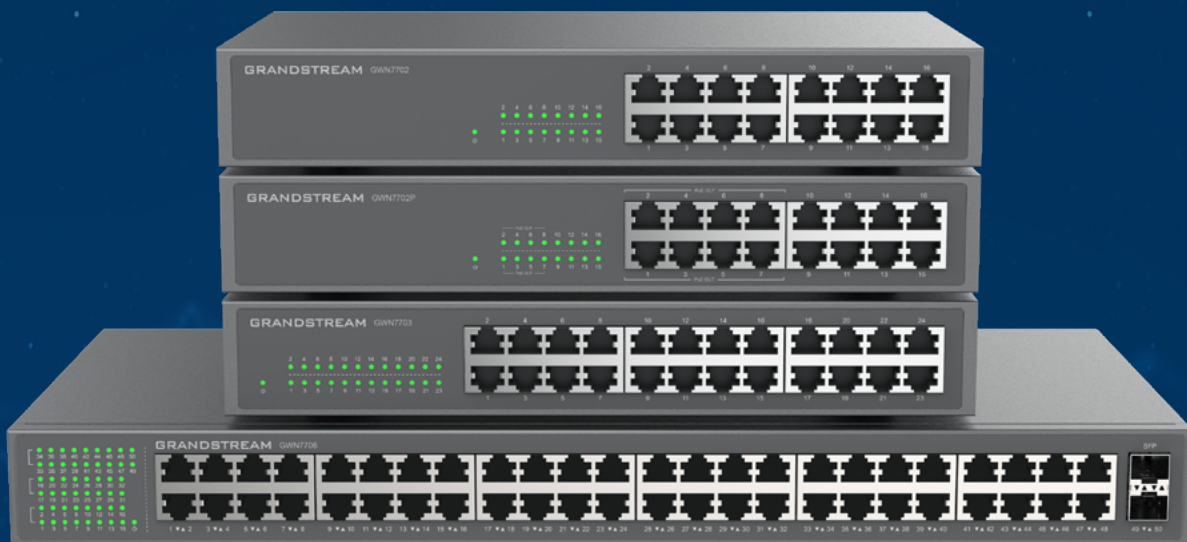




Grandstream's GWN portfolio of switches encompasses unmanaged, Layer 2+, Layer 3, and Layer 3 aggregation switches. These devices form various ways that installers, IT teams, and network administrators can construct an IT infrastructure backend. VLAN segmentation for higher security and better-organized deployments, Quality of Service features that allow for deeply customized network use, complete cloud management, port/ LAG control, and a plethora of security features are just a few examples of the capabilities available through the GWN Series of Switches. Within this eBrochure, you'll find a helpful overview of the switches within the GWN series, their capabilities and competitive advantages, and an overview of their technical specifications. Grandstream strives to make market-leading technology that is more accessible for all industries and business sizes, and the GWN range of networking products is no exception.

GWN7700(P&PA) Series Unmanaged Network Switches

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.



Smart Power Control

PoE-compatible models support dynamic PoE/PoE+ power allocation to allow the GWN7700 Series to smartly adapt for network needs.



Gigabit Ethernet Ports

Available with 5, 8, 16, 24, and 48 Gigabit RJ45 ethernet ports.



Green Technology

Green technology and QoS features reduces the power consumption of the switches.



Storm Control

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



LED Indicators

Link and activity indicators per port, power indicator per device



QoS

Supports Default Strict Priority QoS when present within the network



MDI/MDIX

Auto MDI/MDIX crossover for all ports

GWN7700(P)

5 Ports

- 5 Gigabit Network Ports
- 4 PoE Ports on the GWN7700P
- Up to 30W on Each Port, 60W Total Power Budget
- 10Gbps Switching Capacity
- MAC Address Table - 2k
- AUTO Negotiation, AUTO MDI/MDIX
- Desktop Mount/Wall-Mount

GWN7701(P/PA)

8 Ports

- 8 Gigabit Ports
- 4 PoE Ports on the GWN7701P
- 8 PoE Ports on the GWN7701PA
- 16Gbps Switching Capacity
- MAC Address Table - 8k
- AUTO Negotiation, AUTO MDI/MDIX
- Desktop Mount/Wall-Mount

GWN7702(P)

16 Ports

- 16 Gigabit Ports
- 8 PoE Ports on the GWN7702P
- 32Gbps Switching Capacity
- MAC Address Table - 8k
- AUTO Negotiation, AUTO MDI/MDIX
- Desktop Mount/Wall-Mount

GWN7703

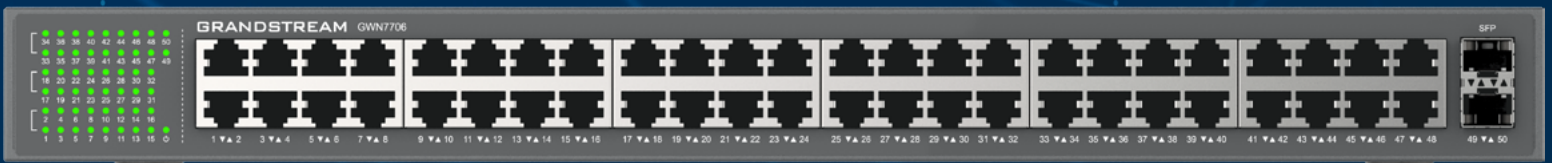
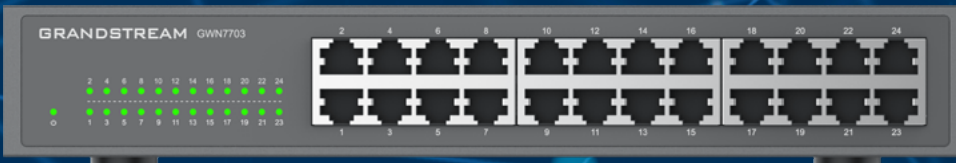
24 Ports

- 24 Gigabit Ports
- 48Gbps Switching Capacity
- MAC Address Table - 8k
- AUTO Negotiation, AUTO MDI/MDIX
- Desktop Mount/Wall-Mount

GWN7706

48 Ports

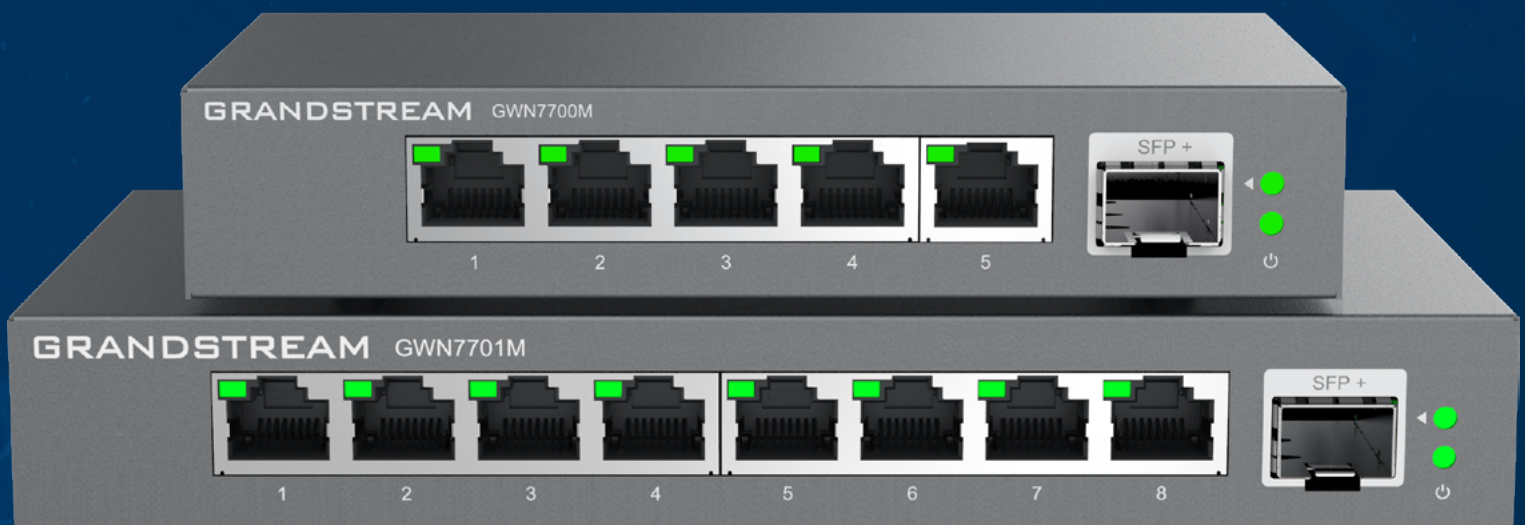
- 48 Gigabit Ports
- 2 SFP Fiber Ports
- 100Gbps Switching Capacity
- MAC Address Table - 16K
- AUTO Negotiation, AUTO MDI/MDIX
- Desktop Mount/Wall-Mount



GWN7700M Series

Unmanaged 2.5G Network Switches

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. 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 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.



Smart Power Control

PoE-compatible models support dynamic PoE/PoE+ power allocation to allow the GWN7700 Series to smartly adapt for network needs.



Gigabit Ethernet Ports

Available with 5 and 8 2.5 Multi-Gigabit RJ45 ethernet ports.



Green Technology

Green technology and QoS features reduces the power consumption of the switches.



Storm Control

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



LED Indicators

Link and activity indicators per port, power indicator per device



QoS

Supports Default Strict Priority QoS when present within the network



MDI/MDIX

Auto MDI/MDIX crossover for all ports

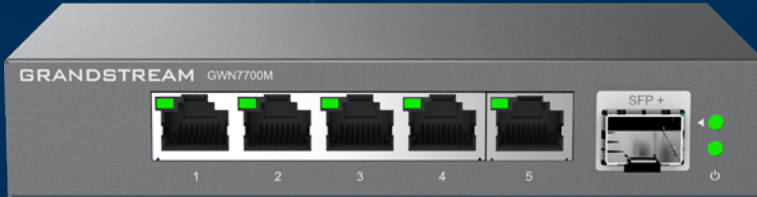


SFP+ Port

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

GWN7700M

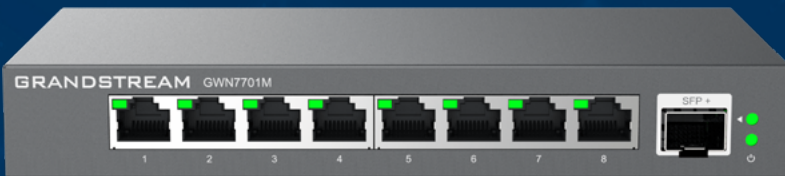
5 Ports



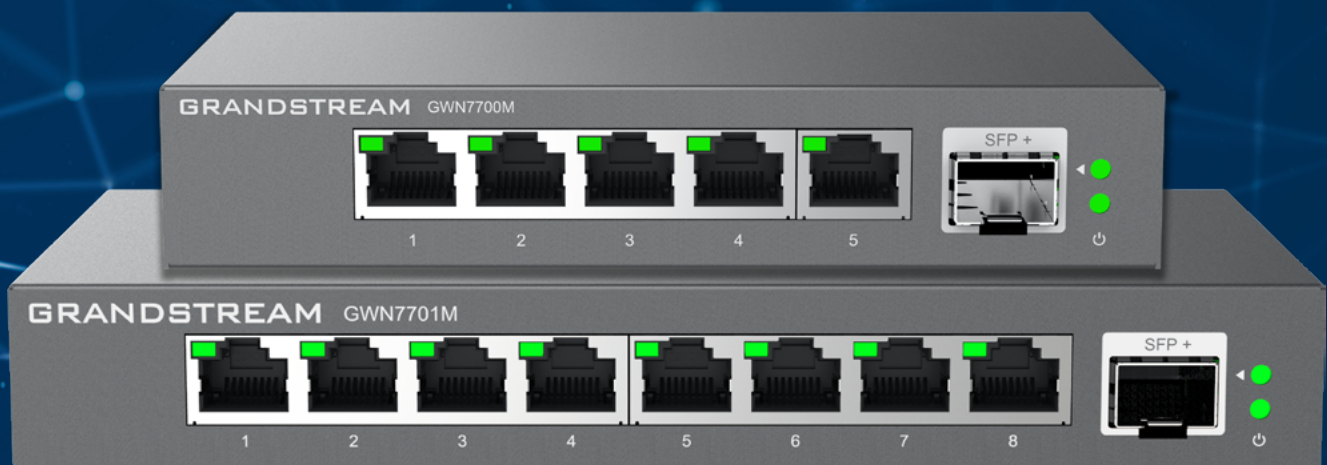
- 5 2.5 Gigabit Ports
- 1 SFP+ Gigabit Port
- 45Gbps Switching Capacity
- MAC Address Table - 4k
- AUTO Negotiation, AUTO MDI/MDIX
- Desktop Mount/Wall-Mount

GWN7701M

8 Ports



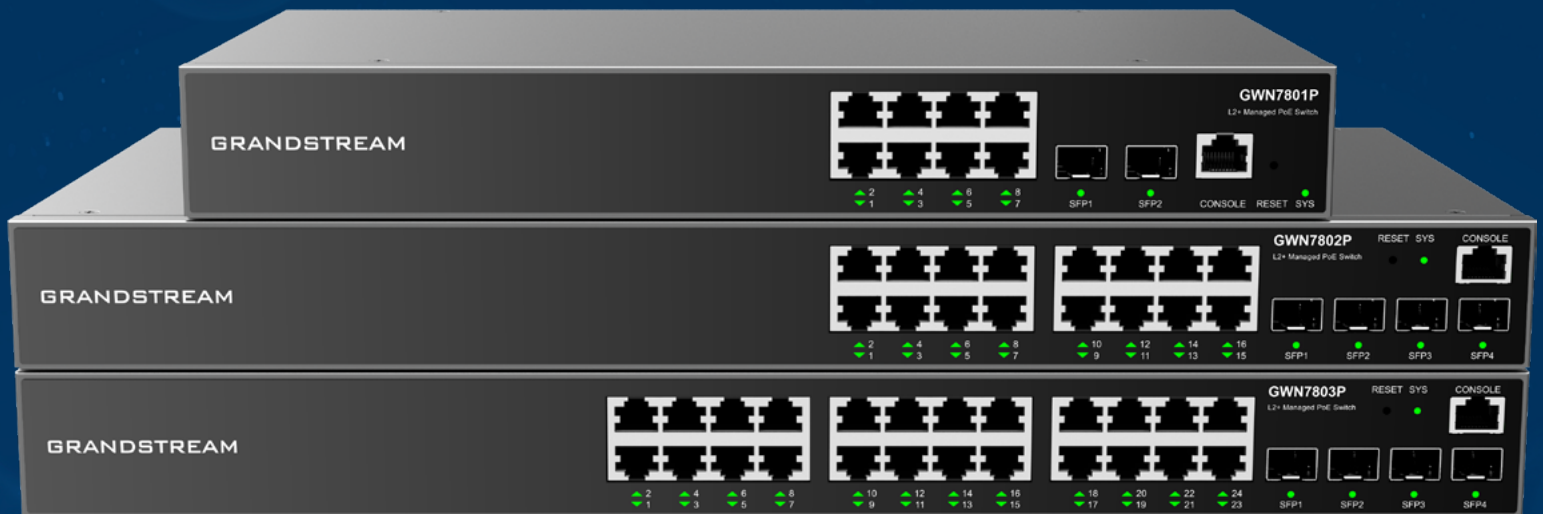
- 8 2.5 Gigabit Ports
- 1 SFP+ Gigabit Port
- 60 Gbps Switching Capacity
- MAC Address Table - 4k
- AUTO Negotiation, AUTO MDI/MDIX
- Desktop Mount/Wall-Mount



GWN7800 Series

Layer 2+ Managed Network Switches

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. They can be easily managed with GWN.Cloud and GWN Manager, Grandstream's free cloud and on-premise network management platform, and through the local web user interface of any GWN7800 series switch. The enterprise-grade GWN7800 series are the ideal managed network switches for small-to-medium businesses.



Smart Power Control

PoE-compatible models support dynamic PoE/PoE+ power allocation to allow the GWN7800 Series to smartly adapt for network needs.



Flexible, Free Management

Manage from the cloud with GWN.Cloud, on-premises with our GWN Manager software, or locally through an embedded manager in the web UI.



Traffic Segmentation

Thanks to advanced VLAN support, the GWN7800 Series provides flexible and sophisticated traffic segmentation to offer advanced control of your network.



Advanced Switching

Ideal for small-to-medium networks, the GWN7800 provides advanced switching power that supports 8,000 MAC addresses, 4,000 VLANs, 8 link aggregation groups, and more.



Gigabit Ethernet & SFP Ports

Available with 8, 16 or 24 Gigabit ethernet ports and 2 or 4 Gigabit SFP ports, the GWN7800 Series is ideal for high-speed requirements.



Traffic Prioritization

Built-in QoS allows the GWN7800 Series to manage and prioritize network traffic based on your requirements.



Powerful Security Protection

Enterprise-grade security, including ARP inspection, IP Source Guard, DoS protection, port security, and DHCP snooping, provides proactive network protection.



Easy Integration

By supporting both IPv4 and IPv6 networks, the GWN7800 Series offers the ideal network switch for all types of deployments.

GWN7801(P) 8 Ports

- GWN7801: 8 Gigabit Ports
- GWN7801P: 8 Gigabit PoE Ports
- 120W Max PoE Power
- 2x Gigabit SFP Ports
- 20 Gbps Switching Capacity
- Desktop Mount

GWN7802(P) 16 Ports

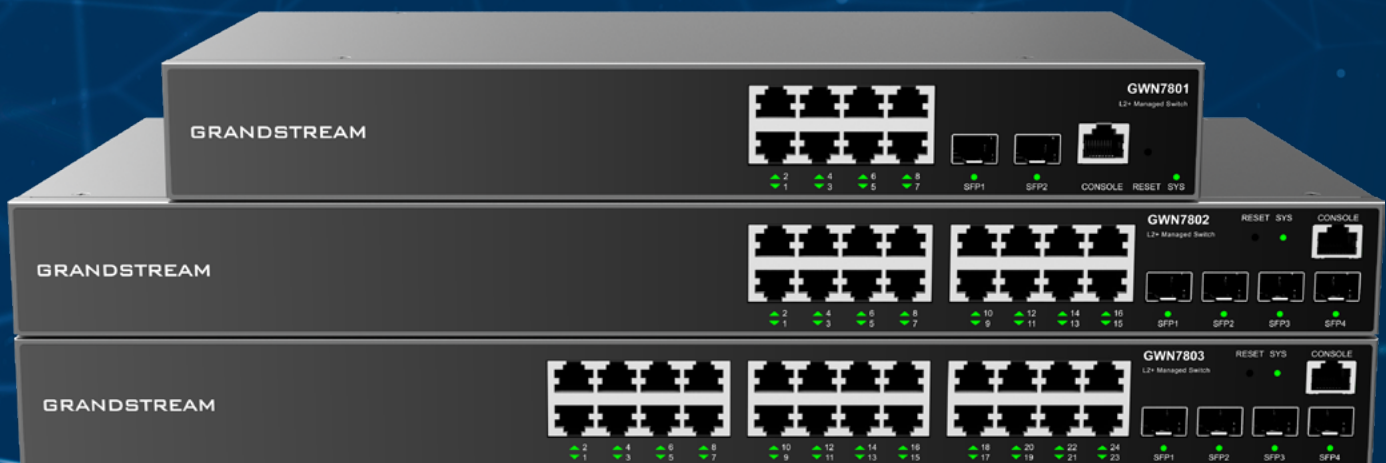
- GWN7802: 16 Gigabit Ports
- GWN7802P: 16 Gigabit PoE Ports
- 240W Max PoE Power
- 4x Gigabit SFP Ports
- 40 Gbps Switching Capacity
- Rack and Desktop Mount
- Integrated Fan

GWN7803(P) 24 Ports

- GWN7803: 24 Gigabit Ports
- GWN7803P: 24 Gigabit PoE Ports
- 360W Max PoE Power
- 4x Gigabit SFP Ports
- 56 Gbps Switching Capacity
- Rack and Desktop Mount
- Integrated Fan

GWN7806(P) 48 Ports

- GWN7806: 48 Gigabit Ports
- GWN7806P: 48 Gigabit PoE Ports
- 470W Max PoE Power
- 6x Gigabit SFP+ Ports
- 216 Gbps Switching Capacity
- Supports Stacking up to 16 Switches
- Rack and Desktop Mount
- Integrated Fan



GWN7810 Series

Layer 3 Managed Network Switches

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.



Smart Power Control

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



Flexible, Free Management

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



Dynamic Deployments

Supports deployment in IPv6 and IPv4 networks



Traffic Segmentation

Thanks to advanced VLAN support, the GWN7810 Series provides flexible and sophisticated traffic segmentation to offer advanced control of your network.



Gigabit Ethernet & SFP Ports

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



Traffic Prioritization

Built-in QoS allows for prioritization of network traffic



Powerful Security Protection

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



Advanced Switching

Ideal for medium-to-large networks, the GWN7810 provides advanced switching power that supports 16,000 MAC addresses, 4,000 VLANs, 14 link aggregation groups, and more.

GWN7811(P) 8 Ports



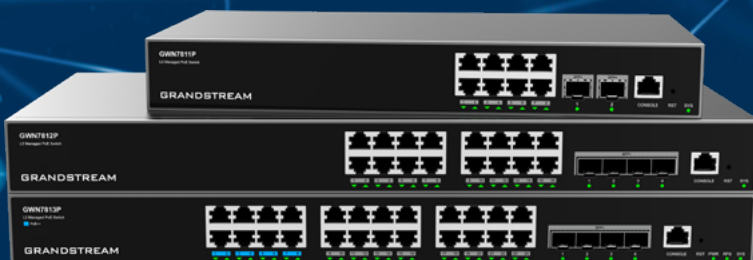
- GWN7811: 8 Gigabit Ports
- GWN7811P: 8 Gigabit PoE Ports
- 2 SFP+ Ports
- 120W max PoE power
- 56 Gbps switching capacity
- 16K Static, Dynamic, and Filtering MAC Addresses

GWN7812P 16 Ports



- GWN7812: 16 Gigabit Ports
- GWN7812P: 16 Gigabit PoE Ports
- 240W max PoE power
- 4 SFP+ Ports
- 112 Gbps switching capacity
- 16K Static, Dynamic, and Filtering MAC Addresses

GWN7813(P) 24 Ports



- GWN7813: 24 Gigabit Ports
- GWN7813P: 24 Gigabit PoE Ports
- 360W max PoE power
- 4 SFP+ Ports
- 112 Gbps switching capacity
- 16K Static, Dynamic, and Filtering MAC Addresses

GWN7830 Series

Layer 3 Aggregation Managed Switches

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. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP/MLD Snooping for network performance optimization, comprehensive security capabilities against potential attacks. GWN7830 series can be managed in a number of ways, including the local Web user interface of the switch and CLI, the commandline interface, And 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 and flexible security settings, the GWN7830 series are the best value enterprise-grade aggregation managed switches.



Flexible, Free Management

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



Gigabit Ethernet & SFP Ports

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



Dynamic Deployments

Supports deployment in IPv6 and IPv4 networks



Traffic Prioritization

Built-in QoS allows for prioritization of network traffic



Traffic Segmentation

Thanks to advanced VLAN support, the GWN7830 Series provides flexible and sophisticated traffic segmentation to offer advanced control of your network.



Powerful Security Protection

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



Advanced Switching

Ideal for medium-to-large networks, the GWN7830 provides advanced switching power that supports 32,000 MAC addresses, 4,000 VLANs, 14 link aggregation groups, 12 SFP+ ports, and more.

GWN7830

10 Ports



- 2 Gigabit Ethernet Ports
- 6 SFP Ports
- 4 SFP+ Ports
- 96 Gbps switching capacity
- 4K VLANs
- 16K Static, Dynamic, and Filtering MAC Addresses
- Spanning tree, 32 instances for STP/RSTP/MSTP

GWN7831

32 Ports



- 4x Combo Gigabit Ethernet Ports
- 24 SFP Ports
- 4 SFP+ Ports
- 128 Gbps switching capacity
- 4K VLANs
- 16K Static, Dynamic, and Filtering MAC Addresses
- Spanning tree, 32 instances for STP/RSTP/MSTP

GWN7832

12 Ports



- 12 SFP+ Ports
- 96 Gbps switching capacity
- 4K VLANs
- 32K Static, Dynamic, and Filtering MAC Addresses
- Spanning tree, 64 instances for STP/RSTP/MSTP

GWN Managed Switch Series Powerful Processing Capability



- **Unicast routing** via ACL for data routing between network segments
- **DHCP Server and Relay** to assign IP addresses to network hosts
- **GVRP** for dynamic VLAN distribution, registration and attribute propagation reduces manual configuration & ensures configuration
- **Built-in QoS** supports Port Priority, Priority Mapping, Queue Scheduling, Traffic Shaping and Rate Limit
- **Access Control List (ACL)** recognizes and filters data packets by configuring matching rules, processing operations and time schedule, and providing flexible security access control policies
- **IGMP Snooping and MLD Snooping** allows the GWN7800 Series to support multi-terminal video deployments, including surveillance, video conferencing, intercom, and more
- **IPv6 and IPv4** support

Multi-Layer Security Protection



- **Static & dynamic MAC tables / table filtering** prevents network attacks
- **Packet filtering** based on binding IP address, MAC address, VLAN and port
- **ARP Inspection** protects against ARP spoofing & ARP flooding attacks in LAN environments, including gateway spoofing & man-in-the middle attacks
- **IP Source Guard** prevents address spoofing including IP/MAC/VLAN spoofing and IP/VLAN spoofing
- **DoS Protection**, including Land Attack, Smurf Attack, TCP SYN Attack, Ping Flooding and more
- **802.1X, RADIUS, AAA and TACACS+** to provide comprehensive authentication and authorization for LAN devices
- **Supports port security**: when the number of MAC addresses learned by a port reaches the maximum, it will be set to error-down state automatically to prevent MAC address attacks and control the network traffic of the port

Smart PoE Capabilities



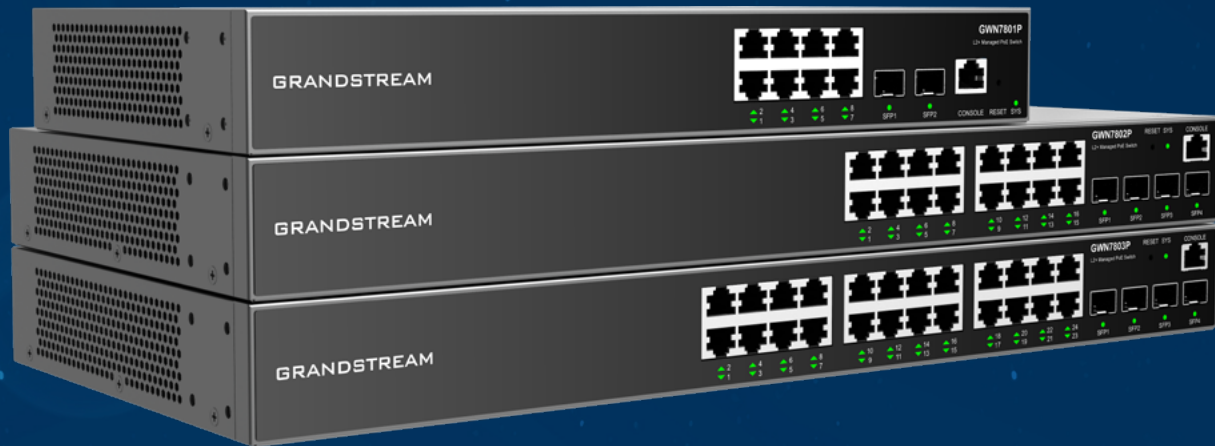
- **Smart power control** for dynamic PoE/PoE+ power allocation p/ port
- **IEEE 802.3af/at** support meets the power requirements for security monitoring, audio/video conferencing, Wi-Fi networks and more
- **User-defined time periods** control the power supply of the PoE port
- **Prioritize PoE ports**: when remaining power is insufficient, this setting will power the ports based on priority
- **Up to 30W per port** - configure maximum power allowed per port
- **Dynamic power negotiation** via LLDP-MED

Network Optimization Tools



- **STP/RSTP/MSTP** guarantees fast convergence, improves fault tolerance, ensures network stability and provides link load balancing and redundancy
- **Loopback detection** identifies and removes loops on the network
- **VRRP** minimizes network downtime caused by gateway failures
- **Link aggregation** increases bandwidth and improves reliability
- **Storm control** prevents traffic interruptions caused by broadcast, multicast, or other unicast packets

Complete Your Grandstream Solution



IP Phones



Wi-Fi APs & Routers



Facility Management



Conferencing & Collaboration

Ideal for any Industry Deployments



A small-to-medium business/enterprise is building or expanding their communications and networking solution and needs to integrate all 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, 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 in the classroom, including smart 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.

Free, Enterprise-Grade Management for Managed Switches

GWN.Cloud



Grandstream's free cloud network management platform, GWN.Cloud makes installing and managing networks across multiple location as easy as possible.

- Free; no limit on devices or sites
- Runs on Amazon Web Services (AWS)
- Secure cloud provisioning
- Provides central, unified management of all GWN solutions
- GWN App for easy installation and mobile management
- Create an account at gwn.cloud

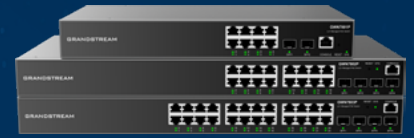
GWN Manager



GWN Manager is a free windows-based platform that provides all the features of GWN.Cloud in a software client designed to be run on any private, on-premise network.

- Free Windows software client
- Local server deployment
- Supports up to 3000 devices
- Provides central, unified management of all GWN solutions
- GWN App for easy installation and mobile management
- grandstream.com/support/tools

Embedded



All GWN7800 Series devices can manage themselves via a built-in management platform within their web user interfaces. This is ideal for small, one-site deployments.

- Free
- Built-in to the web UI of all GWN7800 Series switches
- Embedded management controllers also built-in to all GWN solutions



GWN App

Available for Apple and Android devices, the free GWN App allows you to easily install, configure and manage all GWN Series devices and networks from any mobile device. It provides a mobile interface to access your GWN.Cloud and GWN Manager accounts remotely.

- Integrates with GWN.Cloud and GWN Manager accounts
- Add new devices to any network simply by scanning a barcode
- Allows switching between GWN.Cloud and GWN Manager within the app to support utilization of both platforms
- Provides basic networking setup configurations for Wi-Fi, LAN, & internet
- Free, available from Apple App Store and Google Play Store

Additional Management Features

- GWN7800 Series can also be managed by Web GUI, CLI (Console, Telnet) and SNMP (v1/ v2c/v3)
- Supports monitoring of CPU and memory usage
- Supports common networking tools such as Ping, Traceroute, UDLD (TBD) and Copper Test to analyze network issues
- Supports RMON, Syslog, traffic statistics and sFlow (pending) for network optimization
- LLDP and LLDP-MED provides automatic discovery, provisioning and management of endpoint devices on the local network

Build Powerful, Scalable & Secure Networks with the GWN Series



3-Year Warranty

Standard on all GWN models



Free Management

GWN.Cloud, GWN Manager, and embedded controllers



Secure Out-of-the-Box

Enterprise-grade security on all models



Easy Installation

Add new APs, routers and switches by scanning a barcode



Remote Management

Provides scalability and flexible management options



Advanced Features

Take advantage of captive portals, Mesh, VPNs, QoS, and more



One-Stop-Shop

Grandstream offers everything needed to build wired & Wi-Fi networks



In-Stock & Available Now

Contact your Grandstream distributor today



GRANDSTREAM

CONNECTING THE WORLD

GWN Series Networking Solutions

WI-FI APs



GWN7664



GWN7662



GWN7661



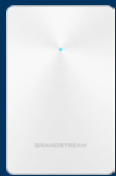
GWN7660



GWN7630



GWN7625



GWN7624



GWN7615



GWN7605



GWN7602



GWN7664LR



GWN7660LR



GWN7630LR



GWN7605LR

Routers



GWN7001



GWN7002



GWN7003



GWN7052/GWN7052F

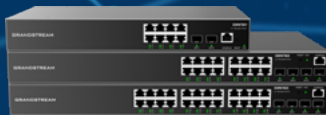


GWN7062

Network Switches



GWN7700(P&PA)
GWN7700M



GWN7800 Series



GWN7810 Series



GWN7830 Series

