GRANDSTREAM
CONNECTING THE WORLD

GWN7712P & GWN7713P

Layer 2 Lite Managed Network PoE Switch



The GWN7712P and GWN7713P are Layer 2 Lite managed network switches that are engineered for SMBs to build scalable, secure, and smart networks with ease. The GWN7712P features 16 GbE and 2 SFP ports, while the GWN7713P delivers 24 GbE and 4 SFP ports. Both models support smart, dynamic PoE output to seamlessly power your IP phones, IP cameras, Wi-Fi access points, and other PoE endpoints. They are easy to manage through the web UI, and are also supported by GDMS Networking and GWN Manager, Grandstream's cloud and on-premises network management platforms. Packed with a comprehensive suite of customizable switching features, the GWN7712P and GWN7713P are the ideal network solutions for small-to-medium-sized deployments.

Feature Highlights

Supports STP/RSTP and Link Aggregation to guarantee fast convergence, ensure network stability, and provide link load balancing.

Voice VLAN prioritizes the transmission of voice data, making VoIP calls stable and secure.

Supports IGMP snooping to optimize multicast forwarding efficiency.

Built-in QoS enables the switch series to manage and prioritize different types of traffic.

PoE/PoE+ on every RJ45 port, with 130 W or 250 W total budget depending on model.

Includes Loop Detection, Cable Testing, and Port Mirroring for simplified network troubleshooting.

Supports LLDP for automatic discovery, making it easy to configure and manage terminal devices.

Supports convenient and intelligent configuration through the local web UI, GWN Manager, and GDMS.

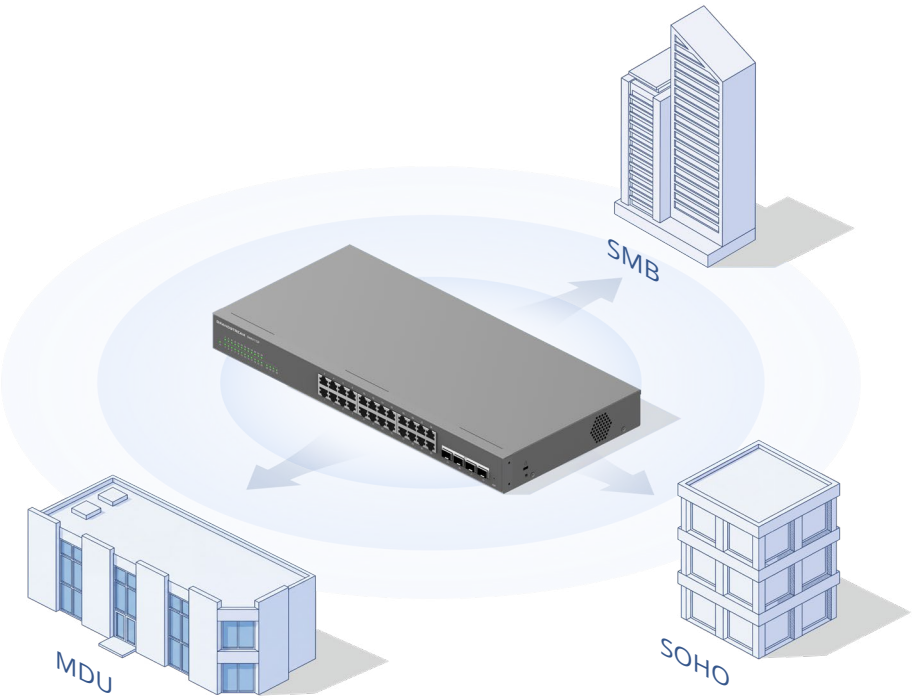
Provides remote monitoring, fault diagnosis, as well as configuration and management via SNMP.

Application Scenarios

The GWN7712P and GWN7713P switches are versatile solutions for SOHO, SMB, and MDU environments.

Featuring either 16 or 24 dedicated 1 GbE ports alongside 2 or 4 dedicated 1G SFP uplinks, these switch models ensure high-speed data transmission and seamless, reliable access to external network services.

Integrated PoE and PoE+ capabilities power remote devices such as Wi-Fi 6 APs, IP cameras and intelligent access control devices with simplified cabling and deployment.

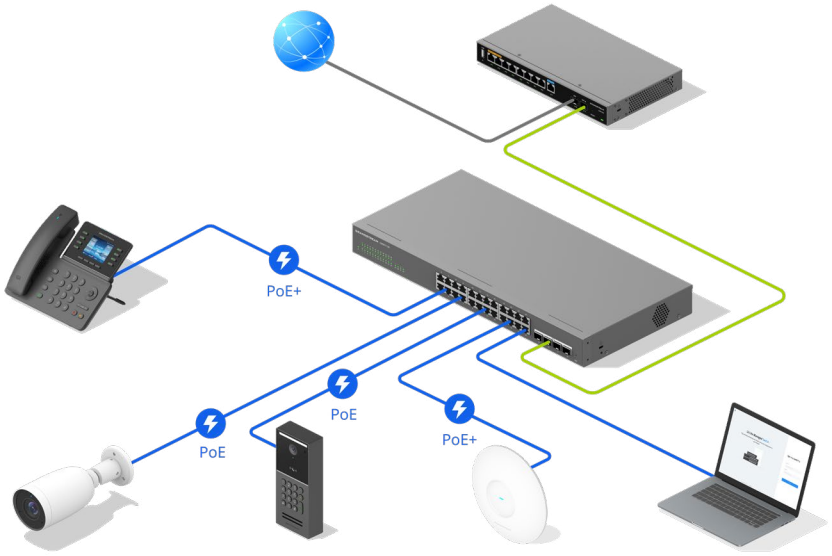


PoE and VLAN Features

1. PoE Power Supply and Monitoring

The GWN7712P and GWN7713P deliver a reliable, high-efficiency PoE and PoE+ power supply alongside stable network connections for various devices, such as IP cameras.

Real-time PoE power monitoring enables the detection of abnormalities and allows for quick adjustments to power distribution.



2. PoE Watchdog

Anomaly Detection

The PoE switch continuously monitors the network status of connected powered devices, such as cameras, APs, IP phones.

Automatic Restart

If a device fails to respond within the set time, a PoE Watchdog feature will proactively cut off its power supply and reboot it to restore functionality.

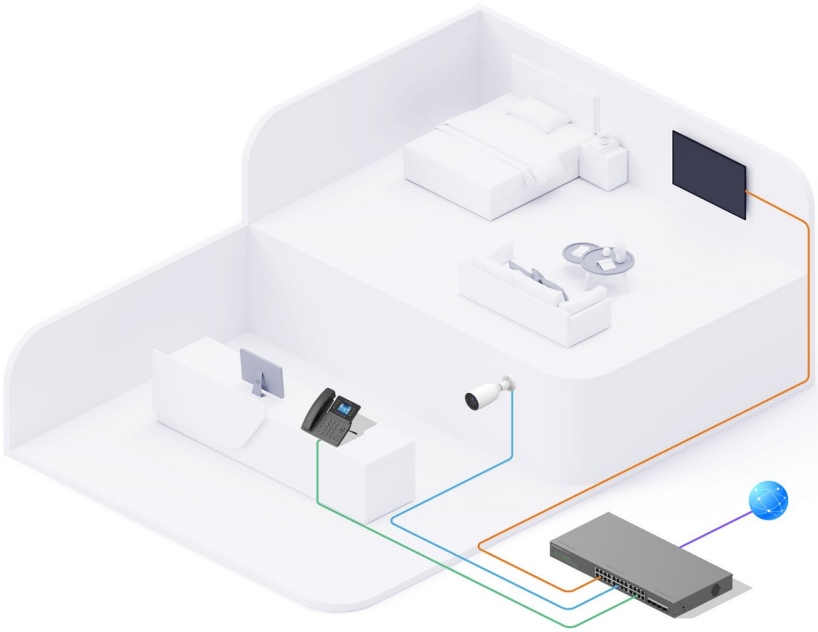
Minimized On-Site Maintenance

By automatically power-cycling unresponsive devices, the feature eliminates the need for physical resets, enhancing network uptime and reducing maintenance costs.

3. VLAN Transparent Mode and Isolation

Passes all VLAN traffic when VLAN transparent mode is enabled.

Supports VLAN segmentation to optimize traffic for diverse services based on actual deployment needs. It easily handles guest networks, IP camera networks, access control systems, and triple-play deployments (simultaneously delivering internal office networks, VoIP calls, and IPTV streaming). This creates an uninterrupted, premium experience, making it the optimal networking choice for various scenarios, especially the hospitality industry.



Flexible Provisioning and Management

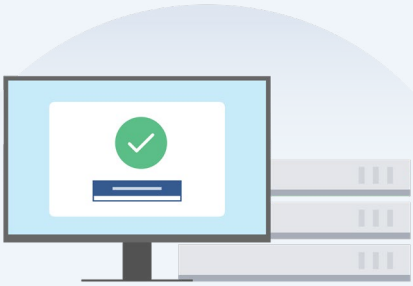
Versatile Management Options: Beyond local management via an intuitive web interface for rapid on-site configuration, you can also manage the switches via GDMS Networking, GWN Manager, or GWN App for distributed network oversight.

Unified Cloud-Based Device Management: Users can maintain and manage the switches within a single, unified interface, including device discovery, monitoring and upgrading, ensuring smooth operation for distributed networks.

Zero-Touch Provisioning: Automatic configuration download upon network connection for true plug-and-play replacement.

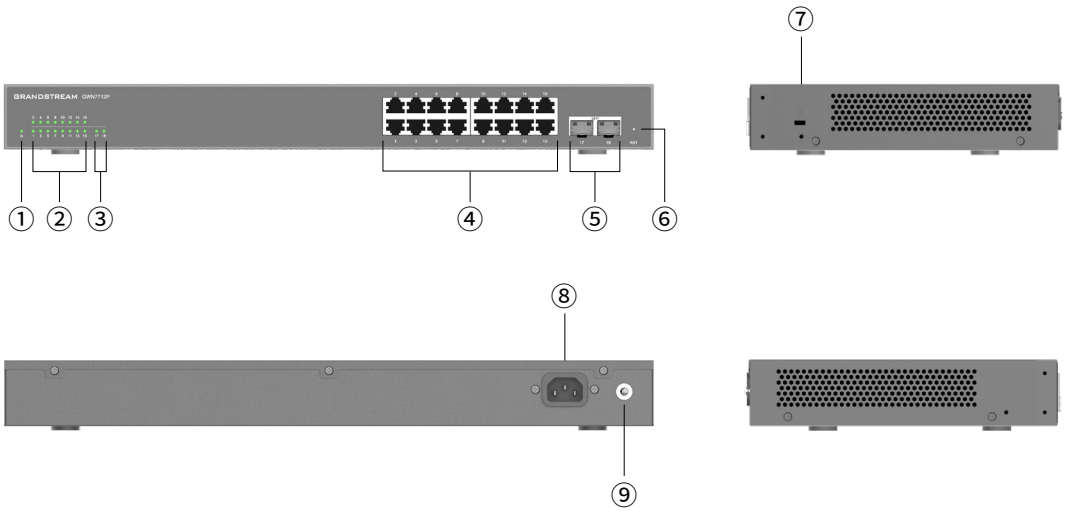


Unified Cloud-Based Device Management



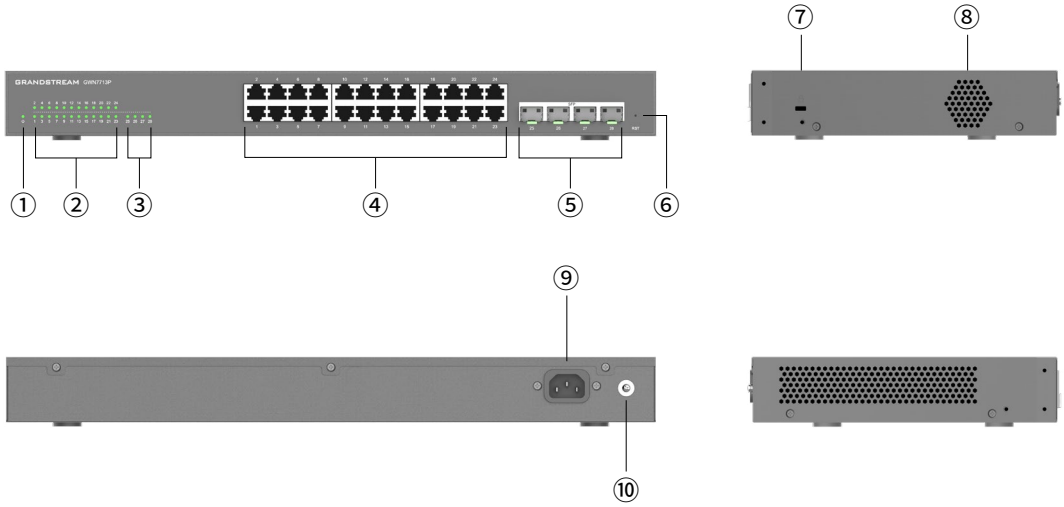
Zero-Touch Provisioning

Hardware Overview



GWN7712P

① Power LED	② Data Transferring and PoE Power LED	③ Data Transferring LED	④ 1 GbE/PoE+
⑤ 1G SFP	⑥ Reset	⑦ Kensington Lock	⑧ Power Socket
⑨ Grounding			



GWN7713P

① Power LED	② Data Transferring and PoE Power LED	③ Data Transferring LED	④ 1 GbE/PoE+
⑤ 1G SFP	⑥ Reset	⑦ Kensington Lock	⑧ Fan
⑨ Power Socket	⑩ Grounding		

Technical Specifications

		GWN7712P	GWN7713P
Basic	UnIt Dimensions	440 mm × 200 mm × 44 mm (17.32" × 7.87" × 1.73") (L × W × H)	
	Package Dimensions	516 mm × 310 mm × 110 mm (20.31" × 12.20" × 4.33") (L × W × H)	
	Unit Weight	2.43 kg (5.36 lb)	2.7 kg (5.95 lb)
	Package Weight	3.13 kg (6.90 lb)	3.31 kg (7.30 lb)
	Mounting	Desktop, wall mount, or rack mount	
	Fan	N/A	1 × fixed fan module
Port	Gigabit Ethernet Ports	16 × 1G	24 × 1G
	1G SFP Ports	2 × SFP	4 × SFP
	Max Number of Supported Modules	• SM-1G: 2 • MM-1G: 2 • RJ45-1G: 1	• SM-1G: 4 • MM-1G: 4 • RJ45-1G: 2 *Note: RJ45-1G modules must be inserted into alternating slots*
	Other Ports	1 × Reset Pinhole	
LEDs	System LEDs	1 tri-color LED for device tracking and status indication	
	Data Transferring LEDs	18 green-color LEDs	28 green-color LEDs
	PoE Supply LEDs	16 yellow-color LEDs	24 yellow-color LEDs
System	Flash	16 MB NOR Flash	
	RAM	256 KB SRAM	
	CPU	Single-Core 500 MHz N10 CPU	
	Forwarding Mode	Store-and-forward	
	Total Non-blocking Throughput	18 Gbps	28 Gbps
	Switching Capability	36 Gbps	56 Gbps
	Forwarding Rate	26.784 Mpps	41.664 Mpps
	Packet Buffer	4 Mb	
Power Supply	Power Supply	100–240 V AC, 50/60 Hz	
	Max Power Consumption	9 W (Full Load) 171.2 W (PoE 130 W)	16.28 W (Full Load) 297 W (PoE 250 W)
	Maximum Output Power	171.2 W	297 W
PoE	PoE Standards	IEEE 802.3af/at	
	PoE Ports	16	24
	Max Output Power per PoE Port	30 W	
	Max Total PoE Output Power	130 W	250 W
Environmental Endurance	Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)	
	Storage Temperature	-10 °C to 70 °C (14 °F to 158 °F)	
	Humidity	10%–90% (RH), non-condensing	
	Surge Protection	• ±6 kV CM and DM for power • ±4 kV CM for network ports	
	ESD	±8 kV CD and ±12 kV AD	
Certification	Compliance	FCC, CE, RCM, IC	

Key Features

		GWN7712P	GWN7713P
Protocols and Standards	Network Protocol	IPv4, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	
Layer 2 Features	Switching	• Jumbo frame: 1518/2048/3072/4096/5120/6144/7168/8192/9216/12288/15360 • Up to 32 VLANs (out of 4K VLAN IDs), port-based VLAN, IEEE 802.1Q VLAN tagging • Voice VLAN including tagged OUI and untagged OUI • 8K MAC address capacity and support searching • Spanning tree including STP and RSTP • Link aggregation, up to 8 LAG groups and up to 8 members per LAG group	
	DHCP	DHCP Client	
	Multicast	IGMP Snooping, Report Message Suppression	
	QoS	• Port-based auto prioritization • Priority mapping, including 802.1p mapping, and DSCP mapping • Queue scheduling, including SP, WRR and WFQ • Bandwidth control • Rate limit	
Security and Maintenance	Security	• Supports user hierarchical management, password protection and HTTP login • Port loopback detection • DHCP Snooping • PoE Watchdog • Kensington Security Slot (Kensington Lock) support	
	Maintenance	• SNMP (SNMPv1 and SNMPv2c) • LLDP • Backup and restore • Diagnostics including Ping, port mirror, cable test, fiber module • System reboot • Upgrade via TFTP, HTTP, or local upload, as well as mass provisioning using DHCP Option, GDMS Networking, GWN Manager	
Management Platform	Local Management	Local Web UI: Comes with the embedded controller	
	Centralized Management	• GDMS Networking: Provides free cloud management platform for unlimited number of GWN7712P and GWN7713P switches • GWN Manager: Comes as an on-premise software controller • GWN App: Supports login to the app through GDMS Networking and GWN Manager to manage GWN7712P and GWN7713P switches	

Package Contents

		GWN7712P	GWN7713P
Standard Items	Primary Unit	1 × Switch	
	Power and Cables	1 × 1.2 m (3.94 ft) 10 A AC Power Cable 1 × 25 cm (9.84") Ground Cable	
	Manual and License	1 × Simplified Quick Installation Guide 1 × Certification Regulatory Information	
	Installation Accessories	4 × Rubber Footpads 8 × Flat Head Machine Screws (M3 × 6 mm)	
		2 × Rack-Mounting Kits	

Ordering Information

	Item	Description
GWN7710 Series	GWN7712P	16 × 1 GbE, 2 × 1G SFP, L2 Lite-Managed PoE Switch
	GWN7713P	24 × 1 GbE, 4 × 1G SFP, L2 Lite-Managed PoE Switch
Optical Transceivers & Cables	F-SM1310-20KM-1.25G	1.25G SFP LR, Single-Mode Fiber (20 km, 1,310 nm, duplex LC, DDM)
	F-MM850-550M-1.25G	1.25G SFP SR, Multi-Mode Fiber (0.3 km (OM1)/0.55 km (OM2), 850 nm, duplex LC, DDM)

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