

Layer 2 Lite Managed 2.5 Gigabit Switches GWN7721(P)

The GWN7721 and GWN7721P are 10-port Layer 2 Lite Managed Switches equipped with 8 2.5-Gigabit Ethernet ports and 2 10-Gigabit SFP+ ports to allow small-to-medium businesses to build scalable and secure high-speed networks. These devices support complex VLAN traffic segmentation, port-based VLAN, DSCP and 802.1p QoS priority management modes and IGMP Snooping to provide bandwidth control and maximize network performance. The GWN7721P's 8 Ethernet ports all provide PoE power output, suitable for IP phones, IP cameras, Wi-Fi access points, and more. These Layer 2 Lite network switches offer a variety of free and flexible management options, including cloud management with GDMS Networking, on-premise software management with GWN Manager, and through their web user interface. By providing high-speed 2.5 Gigabit Ethernet and 10 Gigabit SFP+ ports, layer 2 lite control, flexible management options, and advanced security protection, the GWN7721 and GWN7721(P) are ideal for small to-medium businesses, hotels, home offices, and more.



8x 2.5 Gigabit Ethernet ports and 2x 10 Gigabit SFP+ ports



GWN7721P ports 1-8 support PoE and provide smart power control to support dynamic PoE/PoE+ power allocation per port



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



SNMPv2 remote monitoring, fault diagnosis, configuration management



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





Free and flexible management options include the local web user interface, GWN Manager, and GDMS Networking



DHCP Snooping ensures DHCP packets are only allowed from trusted ports to keep the DHCP environment safe



Built-in QoS allows for prioritization of network traffic

	 GWN7721	 GWN7721(P)
Network Protocol	IPv4, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at	
2.5 Gigabit Ethernet Ports	8	
10 Gigabit SFP+ Ports	2, supports 1Gbps/2.5Gbps/10Gbps	
Maximum no. of Supported Modules	SM-10G: 2 MM-10G: 2 RJ45-10G: 1	
PoE Out Ports	/	8
Power Supply	External 12VDC/1 A	Internal 110~220V AC
PoE Output	/	Port 1-8 support 802.3af/at standard PoE out: - Up to 30W per port PoE out
Max Total PoE Output Power	/	130W
Max Output Power per PoE Port	/	30W
Auxiliary Ports	1x Reset Pinhole	
Forwarding Mode	Store-and-forward	
Total non-blocking throughput	40Gbps	
Switching Capability	80Gbps	
Jumbo Frame	1518/2048/3072/4096/5120/6144/7168/8192/9216	
Forwarding Rate	59.52Mpps	
Pack Buffer	8Mb	
MAC	16K MAC address capacity	
VLAN	<ul style="list-style-type: none"> • Supports up to 32 VLANs (out of 4K VLAN IDs) • port-based VLAN, 802.1Q VLAN • DHCP Snooping 	
LAG	5	
Multicast	IGMP Snooping ,Report Message Suppression	
QoS	<ul style="list-style-type: none"> • Auto prioritization of the incoming port of the packet • Priority Mapping • Queue scheduling, including SP, WFQ • 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, Ping	
Security	<ul style="list-style-type: none"> • DHCP Snooping • Spanning tree • Loop prevention • PoE Watchdog • Kensington Security Slot (Kensington Lock) support 	
Mounting	Desktop/ Wall-Mount	Desktop/ Wall-Mount/Rack-Mount
LED Indicators	Per device: Power- Green Per port: Link/Activity - Green GWN7721P Port 1-8: PoE power state - Yellow	
Environmental	Operating Temperature: 0 to 45 °C (32 to 113 °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: 190 x 100 x 28mm Package: 300 x 130 x 53mm	Unit: 280 x 180 x 44mm Package: 361 x 195.5 x 52mm
Enclosure	Metal	
Weight	Unit: 0.52KG Entire Package: 0.74KG	Unit: 1.45KG Entire Package: 2.06KG
Package Content	1x Switch, 1x Power Adapter, 1x QIG	1x Switch, 1x 1.2m(10A) AC Cable, 1x Ground Cable, 4x Rubber Feet, 2x Lug Ear, 1x QIG
Compliance	FCC, CE, RCM, IC	

GWN7721(P) PoE & VLAN Features

1. The switch will provide PoE power during a soft restart to ensure data (camera feeds, for example) are not lost.
2. Real-time dynamic display and control of PoE power to detect anomalies in a timely manner.
3. The PoE Watchdog function monitors the destination IP address of connected devices. When the link fails, the PoE port will automatically cut off the power and restart.

Deployment Example: PoE+ Power and Data Transmission



Each Ethernet port provides up to 30W of 802.3af/at PoE/PoE+, and the optical port offers a transmission rate of up to 10 Gbps.

- **Port 1:** 2.5G Media/Gaming PC
- **Port 3:** 802.3af/at PoE+ IP Phone
- **Port 5:** 802.3af/at PoE IP Camera
- **Port 6:** 802.3af PoE IP Video Intercom System
- **Port 8:** Wireless 802.3af PoE WiFi 6/6E Access Point
- **Port 9:** 10Gbps SFP+ Port for Network Storage (NAS)
- **Port 10:** SFP+ optical port 10Gbps rate transmission

Deployment Example: PoE Watchdog



Anomaly Detection: The PoE switch continuously monitors the network operation status of connected powered devices (IP cameras, Wi-Fi APs, IP phones, and more).

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

Reduced Manual Intervention: Eliminates the need for manual power adjustments and on-site maintenance, enhancing network reliability.