

## Grandstream GWN7806 Layer 2+ Managed Network Switch



Product Name: Grandstream GWN7806 Layer 2+ Managed Network Switch

Manufacturer: Grandstream

Model Number: GWN7806

### Grandstream GWN7806 Managed Network Switch

The Grandstream GWN7806 is a layer 2+ stackable (pending) managed network switch tailored for small-to-medium enterprises. It enables the creation of scalable, secure, and high-performance business networks, featuring advanced VLAN for flexible traffic segmentation, advanced QoS for traffic prioritization, and IGMP/MLD Snooping for optimized network performance. It also offers robust security features against potential cyber threats.

Grandstream GWN7806 Key Features:

- Powerful processing capabilities
- Enterprise Grade Reliability
- Multi-Layer Security Protection
- Easy Management and Maintenance
- IPv4/IPv6 Dual Protocol Stack
- Power & Green Energy Efficiency

In the realm of small-to-medium businesses, the GWN7806 is a cost-effective enterprise-grade managed switch, delivering enhanced performance, scalability, and management capabilities. It embodies Grandstream's commitment to providing value and serves as an ideal networking solution for businesses aiming for efficient operations.

### Grandstream GWN7806 Technical Specifications

#### General

- Gigabit ports: 48
- SFP+ Ports: 6
- Console: 1
- Integrated Power Supply: 60W
- Auxiliary Port: 1x Reset Pinhole
- Forwarding Mode: Store-and-forward
- Total non-blocking throughput: 108Gbps
- Switching Capability: 216Gbps
- Forwarding Rate: 160.704Mpps
- Packet Buffer: 16Mb

#### 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

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- IEEE 802.1p
- IEEE 802.1D
- IEEE 802.1s
- IEEE 802.1w
- IEEE 802.1x

### 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+

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- 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) x 301mm (W) x 44mm (H)

### Unit Weight

- 4.0Kg

### 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

## Grandstream GWN7806 Layer 2+ Managed Network Switch

1½ UKCA

**Price: £281.25**

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