

## Grandstream GWN7801 Layer 2+ Managed Network Switch



Product Name: Grandstream GWN7801 Layer 2+ Managed Network Switch

Manufacturer: Grandstream

Model Number: GWN7801

### Grandstream GWN7801 Layer 2+ Managed Network Switch

The Grandstream 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.

Grandstream GWN7801 Layer 2+ Managed Network Switch Key Features:

- 8x Gigabit Ethernet ports and 2x Gigabit SFP ports

- 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

- Local Web UI to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform

- Built-in QoS allows for prioritization of network traffic

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. .

Grandstream GWN7801 Technical Specifications:

#### 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

#### Integrated Power Supply

- 30W

#### Total non-blocking throughput

- 10Gbps

#### Switching Capability

- 20Gbps

#### Forwarding Rate

- 14.886Mpps packets per second

## Grandstream GWN7801 Layer 2+ Managed Network Switch

### 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

### 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

### 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

### Dimensions

- 30mm(L)\*175mm(W)\*44(H) 440mm(L)\*200mm(W)\*44mm(H)

### Unit Weight

- 1.8 kg

### Package Contents

- Switch, 1x 1.2m(10A) AC Cable
- Rack-mounting Standard Brackets
- 1x Ground Cable
- 4x Rubber Feet, 2x Lug Ear

**Price: £71.25**

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