

Grandstream GWN7813 Managed Network Switch



Product Name: Grandstream GWN7813 Managed Network Switch

Manufacturer: Grandstream

Model Number: GWN7813

Grandstream GWN7813 Managed Network Switch

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.

Grandstream GWN7813 Key Features:

- 24 Gigabit Ethernet ports and 4 10Gigabit SFP+ ports
- Smart power control to support dynamic PoE/PoE+ power allocation per port for the PoE models
- Supports deployment in IPv6 and IPv4 networks
- ARP Inspection, IP Source Guard, DoS protection, port security & DHCP snooping
- Embedded controller to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform
- Built-in QoS allows for prioritisation of network traffic

The series is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform.

Grandstream GWN7813 Technical Specifications

Network Protocol

- IPv4
- IPv6
- IEEE 802.3
- IEEE 802.3i
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3z
- IEEE 802.3ae
- IEEE 802.3x
- IEEE 802.3af/at/bt
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.1w
- IEEE 802.1d
- IEEE 802.1s
- IEEE 802.3az
- IEEE 802.3ad
- IEEE 802.3AB
- IEEE 802.1p
- IEEE 802.1D
- IEEE 802.1x

Gigabit Ethernet Ports

- 24

10Gigabit SFP+ Ports

- 4

Grandstream GWN7813 Managed Network Switch

Note: Supports DAC cable, and must be ≤ 5m
Maximum no. of Supported Modules

1/2 SM-10G: 4
1/2 MM-10G: 4
1/2 RJ45-10G: 2

Note: RJ45-10G modules must be interval inserted
Console

1/2 1

Link Aggregation

1/2 14

External Redundant Power Supply(RPS)

1/2 12V/5A(60W)

Auxiliary Ports

1/2 1x Reset Pinhole

Forwarding Mode

1/2 Store-and-forward

Total non-blocking throughput

1/2 64Gbps

Switching Capability

1/2 128Gbps

Forwarding Rate

1/2 95.232Mpps

Packet Buffer

1/2 12MB

Switching

1/2 16K static, dynamic and filtering MAC addresses
1/2 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN
1/2 VLAN virtual interface
1/2 GVRP (pending)
1/2 Spanning tree, 32 instances for STP/RSTP/MSTP

Routing

1/2 Static routing

Grandstream GWN7813 Managed Network Switch

• Dynamic routing, including RIP, RIPng, OSPF and OSPFv3
• Policy routing (pending)

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
• 2K 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+
• 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, Wall-Mount, or Rack-Mount (rack-mounting kits included)

System LEDs

• 1x tri-color LED for device tracking and status indication

Power Supply LEDs

Grandstream GWN7813 Managed Network Switch

1/2 2x bi-color LEDs for per power supply PWR&RPS

Data Transferring LEDs

1/2 28x green-color LEDs

Environmental

1/2 Operation: 0°C to 45°C, humidity 10-90% RH (Non-condensing)

1/2 Storage: -10°C to 60°C, humidity: 5% to 95% RH (Non-condensing)

Dimensions

1/2 330mm (L) x 176mm (W) x 44mm (H)

1/2 440mm (L) x 200mm (W) x 44mm (H)

1/2 440mm (L) x 300mm (W) x 44mm (H)

Unit Weight

1/2 2.94Kg

Package Content

1/2 1x Switch

1/2 1x 1.2m (10A) AC Cable

1/2 1x 25cm Ground Cable

1/2 4x Rubber Footpads

1/2 1x Power Cord Anti-Trip

1/2 8x Screws (KM 3*6)

1/2 1x Quick Installation Guide

1/2 1x Console Cable (Optional)

1/2 2x Rack-Mounting Kits

1/2 1x RPS, External Redundant Power Supply (Optional)

Compliance

1/2 FCC

1/2 CE

1/2 RCM

1/2 IC

1/2 UKCA

Price: £176.25