

Grandstream GWN7813P Managed Network Switch



Product Name: Grandstream GWN7813P Managed Network Switch

Manufacturer: Grandstream

Model Number: GWN7813P

Grandstream GWN7813P 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 GWN7813P 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 GWN7813P 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

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

ï¿½ SM-10G: 4
ï¿½ MM-10G: 4
ï¿½ RJ45-10G: 2

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

ï¿½ 1

of PoE Ports

ï¿½ 24

Link Aggregation

ï¿½ 14

External Redundant Power Supply(RPS)

ï¿½ 54V(300W)

Max Output Power per PoE Port

ï¿½ 60W(1-8,PoE++)
ï¿½ 30W(9-24)

Max Total PoE Output Power

ï¿½ 360W

PoE Standards

ï¿½ IEEE 802.3af/at/bt

Auxiliary Ports

ï¿½ 1x Reset Pinhole

Forwarding Mode

ï¿½ Store-and-forward

Total non-blocking throughput

ï¿½ 28Gbps
ï¿½ 56Gbps
ï¿½ 64Gbps

Switching Capability

ï¿½ 56Gbps
ï¿½ 112Gbps

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• 128Gbps

Forwarding Rate

• 41.644Mpps

• 83.328Mpps

• 95.232Mpps

Packet Buffer

• 12MB

Switching

• 16K static, dynamic and filtering MAC addresses

• 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN

• VLAN virtual interface

• GVRP (pending)

• Spanning tree, 32 instances for STP/RSTP/MSTP

Routing

• Static routing

• 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

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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

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

Data Transferring LEDs

- 28x green-color LEDs

PoE Powered LEDs

- 24x yellow-color LEDs

Fan

- 3

Environmental

- Operation: 0°C to 45°C, humidity 10-90% RH (Non-condensing)
- Storage: -10°C to 60°C, humidity: 5% to 95% RH (Non-condensing)

Dimensions

- 440mm (L) x 300mm (W) x 44mm (H)

Unit Weight

- 4.69Kg

Package Content

- 1x Switch
- 1x 1.2m (10A) AC Cable

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- 1x 25cm Ground Cable
- 4x Rubber Footpads
- 1x Power Cord Anti-Trip
- 8x Screws (KM 3*6)
- 1x Quick Installation Guide
- 1x Console Cable (Optional)
- 2x Rack-Mounting Kits
- 1x RPS, External Redundant Power Supply (Optional)

Compliance

- FCC
- CE
- RCM
- IC
- UKCA

Price: £296.30
