



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:

าั¿½ 24 Gigabit Ethernet ports and 4 10Gigabit SFP+ ports

าั¿½ Smart power control to support dynamic PoE/PoE+ power allocation per port for the PoE models

� Supports deployment in IPv6 and IPv4 networks

าั¿½ ARP Inspection, IP Source Guard, DoS protection, port security & Tiber Source Guard, DoS protection, DoS protection,

าั¿½ Embedded controller to manage switch; GWN.Cloud and GWN Manager,

Grandstream's cloud and on-premise network management platform

าั¿½ 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

ï¿1/2 IPv6

� IEEE 802.3

� IEEE 802.3i

ï¿1/2 IEEE 802.3u

ï¿⅓ IEEE 802.3ab

ï¿⅓ IEEE 802.3z

ï¿⅓ IEEE 802.3ae

ï¿1⁄2 IEEE 802.3x

ï¿1/2 IEEE 802.3af/at/bt

ï¿⅓ IEEE 802.1p

ï¿⅓ IEEE 802.1Q

ï¿⅓ IEEE 802.1w

ï¿⅓ IEEE 802.1d

ï¿1/2 IEEE 802.1s

ï¿1/2 IEEE 802.3az

ï¿1/2 IEEE 802.3ad ï¿1/2 IEEE 802.3AB

ï¿1⁄2 IEEE 802.1p

ï¿1/2 IEEE 802.1D

ï¿1/2 IEEE 802.1x

Gigabit Ethernet Ports

� 24

10Gigabit SFP+ Ports

4 1⁄2 3/



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

� SM-10G: 4 � MM-10G: 4 � RJ45-10G: 2

Note: RJ45-10G modules must be interval inserted

Console

1 1⁄2 ئ

of PoE Ports

72 ½ 34 ان∂

Link Aggregation

14 ½ئï

External Redundant Power Supply(RPS)

� 54V(300W)

Max Output Power per PoE Port

ϊ¿½ 60W(1-8,PoE++) ϊ¿½ 30W(9-24)

Max Total PoE Output Power

� 360W

PoE Standards

ï¿⅓ IEEE 802.3af/at/bt

Auxiliary Ports

ï¿1/2 1x Reset Pinhole

Forwarding Mode

آز½ Store-and-forward

Total non-blocking throughput

� 28Gbps

ï¿⅓ 56Gbps

ï¿⅓ 64Gbps

Switching Capability

� 56Gbps � 112Gbps



ï¿⅓ 128Gbps

Forwarding Rate

ï¿⅓ 41.644Mpps

ï¿⅓ 83.328Mpps

ï¿⅓ 95.232Mpps

Packet Buffer

12MB ½′;ï

Switching

� 16K static, dynamic and filtering MAC addresses

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

� VLAN virtual interface

� GVRP (pending)

า๊ะ่½ Spanning tree, 32 instances for STP/RSTP/MSTP

Routing

ï¿⅓ Static routing

า๊¿½ Dynamic routing, including RIP, RIPng, OSPF and OSPFv3

� Policy routing (pending)

Multicast

ï¿1/2 IGMP Snooping

ï¿⅓ MLD Snooping

� MVR (pending)

QoS/ACL

ï¿⅓ Port priority

ï¿1/2 Priority mapping

ເ 1 έ 1 2 Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ

ï¿⅓ Traffic shaping

ï¿⅓ Rate limit

ï¿1/2 2K ACL for Ethernet, IPv4 and IPv6

DHCP

ї¿½ DHCP server, DHCP relay, DHCP Option 82, 60, 160 and 43

Maintenance

� CPU and memory monitoring

۳¿⅓ SNMP

� RMON

� LLDP&LLDP-MED

ï¿⅓ Backup and restore

ï¿⅓ Syslog

آذًا Diagnostics including Ping, Traceroute, port mirroring, UDLD (TBD) and copper test



Security

ī¿½ User hierarchical management and password protection, HTTPS, SSH, Telnet

ï¿1/2 802.1X authentication

า๊ะ่½ AAA authentication including RADIUS, TACACS+

ï¿1/2 Storm control

� Port isolation, port security, sticky MAC

ï¿1/2 Filtering MAC address

ī స్ట్రీ IP source guard, DoS attack prevention, ARP inspection

ï¿⅓ DHCP Snooping

آذِاً Loop protection including BPDU protection, root protection (pending) and loopback protection (pending)

าั¿½ Kensington Security Slot (Kensington Lock) support

Mounting

آذِيً Desktop, Wall-Mount, or Rack-Mount (rack-mounting kits included)

System LEDs

าั¿½ 1x tri-color LED for device tracking and status indication

Power Supply LEDs

تزار 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 1⁄2 3

Environmental

าั¿½ Operation: 0°C to 45°C, humidity 10-90% RH (Non-condensing) าั¿½ Storage: -10°C to 60°C, humidity: 5% to 95% RH (Non-condensing)

Dimensions

� 440mm (L) x 300mm (W) x 44mm (H)

Unit Weight

ï¿⅓ 4.69Kg

Package Content

� 1x Switch

� 1x 1.2m (10A) AC Cable



ï¿1/2 1x 25cm Ground Cable

� 4x Rubber Footpads

� 1x Power Cord Anti-Trip

ï¿1/2 8x Screws (KM 3*6)

� 1x Quick Installation Guide

� 1x Console Cable (Optional)

� 2x Rack-Mounting Kits

าั¿½ 1x RPS, External Redundant Power Supply (Optional)

Compliance

FCC ½ چ

CE ½'¿ï

ï¿⅓ RCM

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ï¿⅓ UKCA

Price: £318.75