

## Grandstream GWN7813P 24-Port Layer 3 Managed Network Switch (GWN7813P)



Product Name: Grandstream GWN7813P 24-Port Layer 3 Managed Network Switch (GWN7813P)

Manufacturer: Grandstream

Model Number: GWN7813P

Grandstream GWN7813P 24-Port Layer 3 Managed Network Switch (GWN7813P)

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

## Grandstream GWN7813P 24-Port Layer 3 Managed Network Switch (GWN7813P)

1/2 4

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

# of PoE Ports

1/2 24

Link Aggregation

1/2 14

External Redundant Power Supply( RPS)

1/2 54V(300W)

Max Output Power per PoE Port

1/2 60W(1-8,PoE++)

1/2 30W(9-24)

Max Total PoE Output Power

1/2 360W

PoE Standards

1/2 IEEE 802.3af/at/bt

Auxiliary Ports

1/2 1x Reset Pinhole

Forwarding Mode

1/2 Store-and-forward

Total non-blocking throughput

1/2 28Gbps

1/2 56Gbps

1/2 64Gbps

## Grandstream GWN7813P 24-Port Layer 3 Managed Network Switch (GWN7813P)

### Switching Capability

- 56Gbps
- 112Gbps
- 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

## Grandstream GWN7813P 24-Port Layer 3 Managed Network Switch (GWN7813P)

- 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

- 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&deg;C to 45&deg;C, humidity 10-90% RH (Non-condensing)
- Storage: -10&deg;C to 60&deg;C, humidity: 5% to 95% RH (Non-condensing)

### Dimensions

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

## Grandstream GWN7813P 24-Port Layer 3 Managed Network Switch (GWN7813P)

### Unit Weight

1 4.69Kg

### Package Content

1 1x Switch  
1 1x 1.2m (10A) AC Cable  
1 1x 25cm Ground Cable  
1 4x Rubber Footpads  
1 1x Power Cord Anti-Trip  
1 8x Screws (KM 3\*6)  
1 1x Quick Installation Guide  
1 1x Console Cable (Optional)  
1 2x Rack-Mounting Kits  
1 1x RPS, External Redundant Power Supply (Optional)

### Compliance

1 FCC  
1 CE  
1 RCM  
1 IC  
1 UKCA

**Price: Â£312.40**