

Grandstream GWN7811 Managed Network Switch



Product Name: Grandstream GWN7811 Managed Network Switch

Manufacturer: Grandstream

Model Number: GWN7811

Grandstream GWN7811 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 GWN7811 Key Features:

- 8/16/24 Gigabit Ethernet ports and 2/4 10Gigabit SFP+ ports
- Smart power control to support dynamic PoE/PoE+ power allocation per port for the PoE models, Ports 1-8 on the GWN7813P support PoE++
- 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 prioritization of network traffic

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

Grandstream GWN7811 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

- 8

10Gigabit SFP+ Ports

- 2

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Console

1

Link Aggregation

5

External Redundant Power Supply (RPS)

12V/5A(60W)

54V(300W)

Auxiliary Ports

1x Reset Pinhole

Forwarding Mode

Store-and-forward

Total non-blocking throughput

28Gbps

Switching Capability

56Gbps

Forwarding Rate

41.644Mpps

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

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• 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)

• 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

• Rack-Mount (rack-mounting kits included)

System LEDs

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

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Data Transferring LEDs

• 10x green-color LEDs

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

• 330mm (L) x 176mm (W) x 44mm (H)

Unit Weight

• 1.45Kg

Package Content

• 1x Switch

• 1x 1.2m (10A) AC Cable

• 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 Extended Rack-Mounting Kits

Compliance

• FCC

• CE

• RCM

• IC

• UKCA

Price: £90.20