

Grandstream GWN7802P Pro Network Switch (GWN7802P Pro)



Product Name: Grandstream GWN7802P Pro Network Switch (GWN7802P Pro)

Manufacturer: Grandstream

Model Number: GWN7802P Pro

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The Grandstream GWN7802P Pro is a Layer 2++ managed network switch designed for small-to-medium enterprises requiring scalable, secure, and high-performance business networking. It features 16 Gigabit Ethernet PoE+ ports and 2 x SFP+ uplink ports, delivering up to 72 Gbps switching capacity and a 250W total PoE budget for powering IP phones, IP cameras, Wi-Fi access points and other PoE endpoints. The GWN7802P Pro includes advanced VLAN for flexible network traffic segmentation, advanced QoS for traffic prioritisation, IGMP/MLD Snooping for network performance optimisation, and comprehensive security capabilities. It supports flexible management via GDMS Networking (cloud), GWN Manager (on-premise software), the embedded web UI controller, GWN Series Routers, and CLI. Grandstream GWN7802P Pro Technical Specifications:

Ports

• 16 x Gigabit Ethernet ports

• 2 x SFP+ ports

• 1 x Console management port

• 1 x Reset pinhole

• Maximum supported modules: SM-10G: 2, MM-10G: 2, RJ45-10G: 2

LEDs

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

• 2 x green-colour LEDs for per power supply PWR & RPS

• 18 x green-colour LEDs for data transfer

• 16 x yellow-colour LEDs for PoE supply

System

• Flash: 32 MB Nor Flash

• RAM: 128 MB

• CPU: Single-core, MIPS interActive™; 1GHz

• Forwarding mode: Store-and-forward

• Total non-blocking throughput: 36 Gbps

• Switching capacity: 72 Gbps

• Forwarding rate: 53.568 Mpps

• Packet buffer: 8.4 Mb

• Network latency: <4 μs

PoE

• PoE standards: IEEE 802.3af/at

• PoE ports: 16

• Max output power per PoE port: 30W

• Max total PoE output power: 250W

Power Supply

• Input: 100–240V AC, 50/60Hz

• Redundant power supply: 1+1 External RPS (one included by default)

• External redundant power supply (RPS): 30W

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ï½ Max power consumption: 21.8W (294.4W with PoE 250W)

ï½ Max output power: 294.4W

Switching

ï½ Jumbo frame (maximum length: 12288)

ï½ 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging

ï½ QinQ, MAC-based VLAN, Protocol-based VLAN

ï½ VLAN translation including VLAN mapping and VLAN stacking

ï½ Voice VLAN including auto voice VLAN, tagged OUI and untagged OUI

ï½ Spanning tree: STP/RSTP/MSTP/PVST(+)/RPVST(+), 16 instances for MSTP/PVST(+)/RPVST(+)

ï½ 16K MAC addresses (static/dynamic/filtering) with migration records

ï½ Link aggregation: static and LACP, up to 8 LAG groups, up to 8 members per LAG

ï½ Stacking: Yes, up to 8 devices

IP Service

ï½ DHCP client, DHCP server, DHCP relay and DHCP snooping

ï½ DHCPv6 client and DHCPv6 snooping

ï½ ND snooping, DNS

ï½ 64 ARP/NDP (static and dynamic)

ï½ 16 VLAN virtual interfaces with 9216 MTU

ï½ 32 (IPv4)/32 (IPv6) static routes

Multicast

ï½ IGMP Snooping with IGMPv2 and IGMPv3, 384 IGMP Snooping groups

ï½ MLD Snooping with MLDv1 and MLDv2, 384 MLD Snooping groups

QoS

ï½ Port priority, priority mapping (802.1p, DSCP, IP precedence)

ï½ Queue scheduling: SP, WRR, WFQ, SP-WRR and SP-WFQ

ï½ Traffic shaping, rate limit

ï½ Pro AV support

ACL

ï½ 128 ACL for Ethernet, IPv4 and IPv6 with 1.5K ACE

ï½ MAC, IPv4, IPv6 and Expert ACLs

ï½ ACL redirection, statistics, mirror, priority mapping, rate limit

ï½ ACL binding: port and VLAN

Security

ï½ User hierarchical management and password protection, HTTPS, SSH, Telnet

ï½ Identity authentication: 802.1X and MAC authentication

ï½ AAA authentication: RADIUS, TACACS+

ï½ Storm control, port isolation, port security, sticky MAC address

ï½ IP/IPv6 source guard, DoS attack prevention, ARP inspection, CPU protection

ï½ Loop protection: port loopback detection, BPDU protection, root protection

ï½ Kensington Security Slot support, firmware signature

Management

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- Local Web GUI (embedded controller)
- GDMS Networking: free cloud management platform
- GWN Manager: on-premise software controller
- GWN APP: iOS and Android management app
- Management protocols: SNMP (v1/v2c/v3), RMON, TR-069 (pending)
- NTP, Syslog, LLDP & LLDP-MED
- Diagnostics: Ping, traceroute, mirror (SPAN and RSPAN), copper test, fiber module
- Upgrade via FTPS/TFTP/HTTP/HTTPS or local upload
- Mass provisioning via DHCP Option/GDMS Networking/GWN Manager/GWN Series Routers

Network Protocols

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

Other Physical Features

- Operating temperature: 0°C to 45°C (32°F to 113°F)
- Storage temperature: -10°C to 60°C (14°F to 140°F)
- Operating humidity: 10%–90% (RH), non-condensing
- Storage humidity: 5%–95% (RH), non-condensing
- MTBF: 70,000 hours
- Fans: 2
- Surge protection: ±6 kV CM for power; ±4 kV CM for network ports
- ESD: ±12 kV for contact discharge
- Compliance: FCC, CE, RCM, IC
- Mounting: Desktop or Rack-Mount (rack-mounting kits included)
- Dimensions (W x D x H): 44.0 x 20.0 x 4.4 cm
- Weight: 2.9 kg (6.39 lb)

Package Contents

- 1 x GWN7802P Pro Switch
- 1 x 25cm Ground Cable
- 4 x Rubber Footpads
- 1 x Power Cord Anti-Trip
- 1 x 1.2m AC Cable (10A)
- 2 x Rack-Mounting Kits
- 1 x Simplified Quick Installation Guide
- 1 x Regulatory Paper

Price: £180.10