

Grandstream GWN7802P 16 Port Enterprise Layer 2+ Managed Network Switch (GWN7802P)



Product Name: Grandstream GWN7802P 16 Port Enterprise Layer 2+ Managed Network Switch (GWN7802P)

Manufacturer: Grandstream

Model Number: GWN7802P

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The GWN7802P is a 16 Port Layer 2+ managed network switch that allow small-to-medium enterprises to build scalable, secure, high performance, and smart business networks that are fully manageable. It supports advanced VLAN for flexible and sophisticated traffic segmentation, advanced QoS for prioritization of network traffic, IGMP Snooping for network performance optimization, and comprehensive security capabilities against potential attacks. Grandstream GWN7802P 16 Port Layer 2+ Managed Network Switch Key Features:

- 16 Gigabit Ethernet ports and 4 Gigabit 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
- Provides quaternary binding of IP, MAC, VLAN & port; ARP Inspection, IP Source Guard, DoS protection, port security & DHCP snooping
- Local Web UI to manage switch; GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi management platform
- Built-in QoS allows for prioritization of network traffic

The GWN7802P switch can be managed in a number of ways, including the local network controller embedded in the web user interface. The Switch is also supported by GWN.Cloud and GWN Manager Grandstream's cloud and on-premise Wi-Fi management platform. The enterprise-grade GWN780 1P series are the ideal managed network switches for small-to-medium businesses.

Grandstream GWN7802 Layer 2+ Managed Network Switch Technical Specifications:

- Network Protocol: IPv4, IPv6, IEEE 802.3, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.1x
- Memory: 128MB RAM, 32MB Flash
- Jumbo Frame (Bytes): 10240
- PoE Standards: IEEE 802.3af/at
- Gigabit Ethernet Ports: 16
- 1G SFP Ports: 4
- Console: 1
- # of PoE Ports: 16
- Integrated Power Supply: 270W
- Max Output Power per PoE Port: 30W
- Max Total PoE Output Power: 240W
- PoE Standards: IEEE 802.3af/at
- Surge Protection: ± 6KV CM and DM for power, ± 4KV CM for network ports
- ESD: ± 12KV for contact discharge
- Auxiliary Ports: 1x Reset Pinhole
- Forwarding Mode: Store-and-forward
- Total non-blocking throughput: 20Gbps
- Switching Capability: 40Gbps
- Forwarding Rate: 29.76Mpps
- Packet Buffer: 4.1Mb
- Network Latency: Avg < 4µs
- Switching:

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- 8K MAC addresses, including static, dynamic, filtering and sticky MAC address
- 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, MAC-based VLAN, protocol-based VLAN, QinQ
- Voice VLAN including auto voice VLAN, tagged OUI and untagged OUI
- 16 VLAN virtual interface with 9216 MTU
- 256 ARP/NDP
- GVRP(pending)
- 8 link aggregation groups
- Spanning tree, 16 instances for STP/RTSP/MSTP/PVST(+)/RPVST(+)
- ERPS(pending)

• Routing: 32(IPv4)/32(IPv6) static routing

• Multicast:

- IGMP Snooping with IGMPv2 and IGMPv3, 256 IGMP Snooping groups
- MLD Snooping with MLDv1 and MLDv2, 256 MLD Snooping groups
- MVR

• QoS/ACL:

- Port priority
- Priority mapping
- Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ
- Traffic shaping
- Rate limit
- 1.5K ACL for Ethernet, IPv4 and IPv6

• DHCP: DHCP server, DHCP relay, Option 82, 60, 160 and 43

• Maintenance:

- CPU and memory monitoring
- Fault detection and alarm for fan
- SNMP including SNMPv1, SNMPv2c, SNMPv3
- RMON
- LLDP&LLDP-MED
- Backup and restore
- Syslog
- Alert
- Diagnostics including Ping, Traceroute, Mirroring including SPAN and RSPAN, UDLD(TBD) and coppertest
- Upgrade via FTPS / TFTP / HTTP / HTTPS or local upload, mass provisioning using DHCP Option/TR-069(pending) / GDMS Networking / GWN Manager / GWN router

• Security:

- User hierarchical management and password protection, HTTPS, SSH, Telnet
- Identity authentication including 802.1X and MAC authentication
- AAA authentication including RADIUS, TACACS+
- Storm control
- Port isolation, port security, sticky MAC
- Filtering MAC address
- IP/IPv6 source guard, DoS attack prevention, ARP inspection
- DHCP/DHCPv6 Snooping
- Loop protection including BPDU protection, root protection and loopback protection
- Kensington Security Slot (Kensington Lock) support

• LEDs: 1x tri-color LED for device tracking and status indication, 20x green-color LEDs for data ports, 16x yellow-color LEDs for PoE ports

• Fan: 2

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

• Dimensions: 440mm(L)x200mm(W)x44mm(H)

• Unit Weight: 3Kg

• Mounting: Desktop, Wall-Mount, or Rack-Mount(rack-mounting kits included)

• Package Content

Grandstream GWN7802P 16 Port Enterprise Layer 2+ Managed Network Switch (GWN7802P)

• 1x Switch • 1x 1.2m(10A) AC Cable • 1x 25cm Ground Cable • 4x Rubber Footpads • 8x Screws (KM3*6) • 1x Simplified Quick Installation Guide • 1x Regulatory Paper • 2x Rack Mounting Kits

½ Compliance: FCC, CE, RCM, IC, UKCA

Price: Â£183.00
