Grandstream GWN7806 Layer 2+ Managed Network Switch

Product Name: Grandstream GWN7806 Layer 2+ Managed Network Switch
Manufacturer: Grandstream
Model Number: GWN7806

Grandstream GWN7806 Managed Network Switch
The Grandstream GWN7806 is a layer 2+ stackable (pending) managed network switch tailored for small-to-medium enterprises. It enables the creation of scalable, secure, and high-performance business networks, featuring advanced VLAN for flexible traffic segmentation, advanced QoS for traffic prioritization, and IGMP/MLD Snooping for optimized network performance. It also offers robust security features against potential cyber threats.
Grandstream GWN7806 Key Features:

ï¿½ Powerful processing capabilities
ï¿½ Enterprise Grade Reliability
ï¿½ Multi-Layer Security Protection
ï¿½ Easy Management and Maintenance
ï¿½ IPv4/IPv6 Dual Protocol Stack
ï¿½ Power & Green Energy Efficiency

In the realm of small-to-medium businesses, the GWN7806 is a cost-effective enterprise-grade managed switch, delivering enhanced performance, scalability, and management capabilities. It embodies Grandstream's commitment to providing value and serves as an ideal networking solution for businesses aiming for efficient operations.
Grandstream GWN7806 Technical Specifications
General

ï¿½ Gigabit ports: 48
ï¿½ SFP+ Ports: 6
ï¿½ Console: 1
ï¿½ Integrated Power Supply: 60W
ï¿½ Auxiliary Port: 1x Reset Pinhole
ï¿½ Forwarding Mode: Store-and-forward
ï¿½ Total non-blocking throughput: 108Gbps
ï¿½ Switching Capability: 216Gbps
ï¿½ Forwarding Rate: 160.704Mpps
ï¿½ Packet Buffer: 16Mb

Network Protocol

ï¿½ IPv4
ï¿½ IPv6
ï¿½ IEEE 802.3
ï¿½ IEEE 802.3i
ï¿½ IEEE 802.3u
ï¿½ IEEE 802.3ab
ï¿½ IEEE 802.3z
ï¿½ IEEE 802.3ae
ï¿½ IEEE 802.3az
ï¿½ IEEE 802.3ad
ï¿½ IEEE 802.3x
ï¿½ IEEE 802.3af/at
ï¿½ IEEE 802.1p
ï¿½ IEEE 802.1Q
ï¿½ IEEE 802.3AB

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ï¿½ IEEE 802.1p
ï¿½ IEEE 802.1D
ï¿½ IEEE 802.1s
ï¿½ IEEE 802.1w
ï¿½ IEEE 802.1x

Switching

ï¿½ 32K static, dynamic and filtering MAC addresses
ï¿½ 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN
ï¿½ VLAN virtual interface
ï¿½ GVRP (pending)
ï¿½ 27 link aggregation
ï¿½ Spanning tree, 64 instances for STP/RSTP/MSTP

Routing

ï¿½ Static routing

Multicast

ï¿½ IGMP Snooping
ï¿½ MLD Snooping
ï¿½ MVR (pending)

QoS/ACL

ï¿½ Port priority
ï¿½ Priority mapping
ï¿½ Queue scheduling, including SP, WRR, WFQ, SP-WRR and SP-WFQ
ï¿½ Traffic shaping
ï¿½ Rate limit
ï¿½ 4K ACL for Ethernet, IPv4 and IPv6

DHCP

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

Maintenance

ï¿½ CPU and memory monitoring
ï¿½ SNMP
ï¿½ RMON
ï¿½ LLDP & LLDP-MED
ï¿½ Backup and restore
ï¿½ Syslog
ï¿½ Diagnostics including Ping, Traceroute, port mirroring, UDLD(TBD) and copper test

Security

ï¿½ User hierarchical management and password protection, HTTPS, SSH, Telnet
ï¿½ 802.1X authentication
ï¿½ AAA authentication including RADIUS, TACACS+

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ï¿½ Storm control
ï¿½ Port isolation, port security, sticky MAC
ï¿½ Filtering MAC address
ï¿½ IP source guard, DoS attack prevention, ARP inspection
ï¿½ DHCP Snooping
ï¿½ Loop protection including BPDU protection, root protection(pending) and loopback protection(pending)
ï¿½ Kensington Security Slot (Kensington Lock) support

Mounting

ï¿½ Desktop
ï¿½ Rack-Mount (rack-mounting kits included)

LEDs

ï¿½ 1x tri-color LED for device tracking and status indication
ï¿½ 54x green-color LEDs for data transferring
ï¿½ 48x yellow-color LEDs for PoE powered (GWN7806P)

Fan

ï¿½ 3

Environmental

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

Dimensions

ï¿½ 440mm (L) x 301mm (W) x 44mm (H)

Unit Weight

ï¿½ 4.0Kg

Package Content

ï¿½ Switch
ï¿½ 1x 1.2m (10A) AC Cable
ï¿½ 1x 25cm Ground Cable
ï¿½ 4x Rubber Footpads
ï¿½ 2x Rack-Mounting Kits
ï¿½ 8x Screws (PM 3*6)
ï¿½ 1x Power Cord Anti-Trip
ï¿½ 1x Quick Installation Guide
ï¿½ 1x Console Cable (Optional)

Compliance

ï¿½ FCC
ï¿½ CE
ï¿½ RCM
ï¿½ IC

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ï¿½ UKCA

Price: £262.20