



Product Name: Grandstream GWN7832 12PORT 10G SFP L3 SWITCH

Manufacturer: Grandstream Model Number: GWN7832

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The Grandstream GWN7830 Series comprises Layer 3 aggregation managed switches designed to empower enterprises in establishing scalable, secure, high-performance, and intelligent business networks that are easily controllable and capable of handling peak loads. It offers advanced VLAN functionality for versatile traffic segmentation, enhanced QoS to prioritise network traffic, IGMP/MLD Snooping for optimising network performance, and robust security features to guard against potential threats.

Grandstream GWN7832 Key Features:

ï¿1/2 12 Gigabit SFP+ ports

� Supports deployment in IPv6 and IPv4 networks

าั¿½ 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

12.1/2 Built-in QoS allows for prioritisation of network traffic

Management of the GWN7830 series is possible through various methods, including the local Web user interface and the CLI (command line interface). Furthermore, this series is compatible with GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise network management platform. With comprehensive quality of service, adaptable security configurations, and support for maximum network capacity, the GWN7830 Series presents itself as an excellent choice for medium-to-large deployments in need of enterprise-grade Layer 3 aggregation switches. Grandstream GWN7832 Technical Specifications

Network Protocol

IPv4 ½′;ï

ï¿⅓ IPv6

ï¿⅓ IEEE 802.3

ï¿⅓ IEEE 802.3i

� IEEE 802.3u � IEEE 802.3ab

� IEEE 802.3z

� IEEE 802.3ae

� IEEE 802.3az

ï¿⅓ IEEE 802.3ad

ï¿⅓ IEEE 802.3x

ï¿⅓ IEEE 802.1p

آذ¼ IEEE 802.1Q

ï¿⅓ IEEE 802.3AB

ï¿⅓ IEEE 802.1p

� IEEE 802.1D

ï¿⅓ IEEE 802.1s

� IEEE 802.1w

ï¿⅓ IEEE 802.1x

Gigabit SFP+ Ports

12 1⁄2ئï

Note: Support DAC Cable and must be ≤ 5m



Maximum no. of Supported Modules

� SM-1G: 24 � MM-1G: 24 � RJ45-1G: 12 � SM-10G: 4 � MM-10G: 4 � RJ45-10G: 2

Note: RJ45-1G, RJ45-10G modules must be interval inserted Console

1 1⁄2 ئ

Integrated Power Supply

� 60W

External Redundant Power Supply (RPS)

� 12V/60W

Auxiliary Ports

آزٰ½ 1x Reset Pinhole

Forwarding Mode

ï¿⅓ Store-and-forward

Total non-blocking throughput

ï¿⅓ 120Gbps

Switching Capability

� 240Gbps

Forwarding Rate

ï¿1/2 80.352Mpps

Packet Buffer

� 16Mb

Network Latency

� <2µs

Switching

� 32K MAC addresses, including static, dynamic and filtering MAC address � 4K VLANs, port-based VLAN, IEEE 802.1Q VLAN tagging, voice VLAN � VLAN virtual interface



- ï¿1/2 GVRP(pending)
- ï¿1/2 6 link aggregation
- ï¿1/2 Spanning tree, 64 instances for STP/RSTP/MSTP

Routing

- ï¿⅓ Static routing
- � Dynamic routing, including:
- RIP ½٪;ï
- ï¿⅓ RIPng
- ï¿⅓ OSPF
- � OSPFv3
- ï¿1/2 Policy routing (pending)

Multicast

- آزٰ IGMP Snooping with IGMPv2 and IGMPv3
- � MLD Snooping with MLDv1 and MLDv2
- ï¿1/2 MVR (pending)

QoS/ACL

- � Port priority
- ï¿⅓ Priority mapping
- � Queue scheduling, including:
- ۲ز½ SP
- WRR
- � WFQ
- ۲¿⅓ SP-WRR يُزن
- SP-WFQ
- ï¿1/2 Traffic shaping
- ï¿⅓ Rate limit
- ï¿1/2 4K ACL for Ethernet, IPv4, and IPv6

DHCP

- � DHCP server
- � DHCP relay
- ï¿1/2 Option 82, 60, 160, and 43

Maintenance

- � CPU and memory monitoring
- � Fault detection and alarm for power supply and fan
- تز½ SNMP
- ï¿⅓ RMON
- � LLDP&LLDP-MED
- ï¿⅓ Backup and restore
- آز½ Syslog
- � Diagnostics including:
- ï¿⅓ Ping



- � Traceroute
- آز½ Port mirroring
- آز½ UDLD (TBD)
- � Copper test

Security

- īപ് 1/2 User hierarchical management and password protection
- آنٰ HTTPS, SSH, Telnet
- ï¿1/2 802.1X authentication
- า๊¿1/2 AAA authentication including RADIUS and TACACS+
- ï¿⅓ Storm control
- � Port isolation
- ï¿1/2 Port security
- ï¿⅓ Sticky MAC
- ï¿1/2 Filtering MAC address
- ï¿⅓ IP source guard
- � DoS attack prevention
- ARP inspection
- � DHCP Snooping
- � Loop protection including:
- ï¿⅓ BPDU protection
- � Root protection (pending)
- � Loopback protection (pending)
- � Kensington Security Slot (Kensington Lock) support

Mounting

- ï¿⅓ Desktop
- تز½ Wall-Mount
- � Rack-Mount (rack-mounting kits included)

System LEDs

า๊¿½ 1x tri-color LED for device tracking and status indication

Power Supply LEDs

ī స్ట్రీ 2x bi-color LEDs for per power supply PWR&RPS

Data Transferring LEDs

� 12x bi-colour LEDs for 1G/10G

Fan

2 1⁄2 نزآ

Environmental



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

Dimensions

ï¿1/2 440mm(L) x200mm(W) x44mm(H)

Unit Weight

� 2.67Kg

Package Content

ï¿⅓ 1x Switch

ï¿1/2 1x 1.2m (10A) AC Cable

� 1x 25cm Ground Cable

ï¿1/2 4x Rubber Footpads

� 1x Power Cord Anti-Trip

� 2x Rack-Mounting Kits

ï¿1/2 8x Screws (KM 3*6)

ï¿1/2 1x Quick Installation Guide

ï¿1/2 1x Console Cable (Optional)

าั¿½ 1x RPS, External Redundant Power Supply(Optional)

Compliance

FCC ½ ہزت

� CE

ï¿⅓ RCM

ï¿⅓IC

ï¿⅓ UKCA

Price: £206.25