PROSAFE® 24-PORT GIGABIT STACKABLE SMART SWITCH GS724TS

Gigabit Stackable Smart Switch enables businesses to grow with ease
24 10/100/1000 Mbps Ports
Stack up to six units and 144 ports and manage them all from a single IP address

Overview

Network Protocol and Standards Compatibility
- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x full-duplex flow control

Interfaces
- GS724TS: 24 10/100/1000 Mbps switching ports
- GS748TS: 48 10/100/1000 Mbps switching ports
- 4 Built-in shared SFP Gigabit Ethernet fiber ports for 100/1000 Mbps connectivity
- 2 HDMI ports on the rear of the unit – used for stacking only
- Auto-sensing and auto-negotiating capabilities for all copper ports
- Auto Uplink™ on all ports to make the right connection

Administrative Switch Management
- IEEE 802.1Q VLAN (128 groups, Static)
- Management VLAN
- IEEE 802.1p Class of Service (CoS)
- 4 hardware queues
- Port-based QoS
- IEEE 802.3ad Static or Dynamic Link Aggregation (LACP)
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1w Rapid Spanning Tree Protocol
- IEEE 802.1s Multiple Spanning Tree Protocol
- SNMP v1, v2c, v3
- RFC 1213 MIB II
- RFC 1643 Ethernet Interface MIB
- RFC 1493 Bridge MIB
- RFC 2131 DHCP client
- IEEE 802.1x (RADIUS)
- RADIUS accounting
- Layer 3 (DSCP) Quality of Service (QoS)
- TACACS+
- Port-based security by locked MAC addresses
TCP/UDP-based priority mapping
IGMP snooping v1, v2, v3
MAC and IP address ACL
Storm control for broadcast, multicast and unknown unicast packets
Port-based ingress/egress rate limiting
SNTP
RMON group 1, 2, 3, 9
Private Enterprise MIB
Port mirroring – many-to-one
IEEE 802.3ab LLDP
LLDP-MED
Protected ports
Cable test
Web-based configuration
Configuration backup/restore
Password access control
Firmware upgradeable

Performance Specifications

Forwarding modes: Store-and-forward
Bandwidth: 48 Gbps for GS724TS, 96 Gbps for GS748TS
Stacking up to 6 switches or 288 ports per stack
Stacking bandwidth: 10 Gbps
Network latency: Less than 20 microseconds for 64-byte frames in store-and-forward mode for 1000 Mbps to 1000 Mbps transmission
Buffer memory:
  GS724TS: 2 Mb
  GS748TS: 6 Mb
Address database size: 8,000 media access control (MAC) addresses per system
Addressing: 48-bit MAC address
Mean time between failures (MTBF):
  167,300 hours (~19 years) for GS724TS
  125,500 hours (~14 years) for GS748TS

LEDs

Unit: Power, fan, stack master, stack ID, PoE max
Per port: Link, speed, activity, stack

Power Supply

Power consumption: 35.1W for GS724TS, 78.36W for GS748TS
100-240V AC/50-60 Hz universal input

Physical Specifications

Dimensions: (h x w x d):
  GS724TS: 43.2 x 440 x 205 mm (1.70 x 17.32 x 8 in)
  GS748TS: 43.2 x 440 x 310 mm (1.70 x 17.32 x 12.20 in)
Weight:
  GS724TS: 2.87 kg (6.33 lb)
  GS748TS: 5.16 kg (11.38 lb)

Environmental Specifications

Operating temperature: 32° to 122° F (0° to 50° C)
Storage temperature: -4° to 158° F (-20° to 70° C)
Operating humidity: 90% maximum relative humidity, non-condensing
Storage humidity: 95% maximum relative humidity, non-condensing
Operating altitude: 10,000 ft (3,000 m) maximum
Storage altitude: 10,000 ft (3,000 m) maximum

Electromagnetic Compliance
CE mark, commercial
FCC Part 15 Class A
VCCI Class A
EN 55022 (CISPR 22)
EN 55024 (CISPR 24)
C-Tick

Safety
CE mark, commercial
CUL 60950 (Listed)/EN 60950 (Low Voltage Directive)

System Requirements
Category 5 UTP Network cables or better
Network card for each PC
Network software (e.g., Windows®)

Warranty and Support
ProSafe Lifetime Warranty
ProSupport 24x7 Advanced Technical Support, 1 year (included)*

ProSupport Service Packs Available
GS724TS
XPressHW, Category 1: PRR0331 (3-year next-business day hardware replacement contract)
OnCall 24x7, Category 1: PMB0331 (3-year Advanced Technical Support contract, including Remote Diagnostics performed by our technical experts for prompt resolution of technical issues, and next-business day hardware replacement)
GS748TS
XPressHW, Category 2: PRR0332 (3-year next-business day hardware replacement contract)
OnCall 24x7, Category 2: PMB0332 (3-year Advanced Technical Support contract, including Remote Diagnostics performed by our technical experts for prompt resolution of technical issues, and next-business day hardware replacement)

Package Contents
ProSafe 24 or 48-port Gigabit Smart Stackable Switch (GS724TS or GS748TS)
Rubber footpads
Power cord
One stacking cable
HDMI stacking cable
Rack-mount kit
Resource CD installation guide
Warranty/support information card

Modules
AGM731F ProSafe 1000BASE-SX SFP GBIC: Module with LC connectors for 50um or 62.5um multi-mode fiber cable
AGM732F ProSafe 1000BASE-LX SFP GBIC: Module with LC connectors for 9um single-mode fiber cable
AGM733 ProSafe 1000BASE-ZX SFP GBIC: Module with LC connectors for 9um single-mode fiber cable

Ordering Information
GS724TS
North America: GS724TS-100NAS
Europe: GS724TS-100EUS
Asia: GS724TS-100AUS
Japan: GS724TS-100JPS
GS748TS
North America: GS748TS-100NAS
Europe: GS748TS-100EUS
Asia: GS748TS-100AUS
Japan: GS748TS-100JPS