



## 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

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**Overview**

**Product Specs**

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### 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
- SNMP
- 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