

## Netgear ProSafe GS724Tv4 24 Port Gigabit Smart Switch



Product Name: Netgear ProSafe GS724Tv4 24 Port Gigabit Smart Switch

Manufacturer: Netgear

Model Number: GS724T-400EUS

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The Netgear GS724T-400EUS offers new, powerful L2+/Layer 3 Lite features with enhanced performance and usability. They are purposely designed for the future where increased traffic and application-oriented tasks demands more intelligence at the edge, higher reliability and improved network efficiency on top of operational cost savings and ease of management.

Netgear GS724T-400EUS Key Features

- 1/2 PoE-capable on all Ports of the Switch
- 1/2 IEEE 802.3at PoE Plus Ports
- 1/2 Dedicated SFP Fiber Uplinks
- 1/2 Dynamic VLAN Assignment
- 1/2 Static Routing
- 1/2 Comprehensive IPv6 Support for Management, ACL and QoS
- 1/2 Build current network with future in mind
- 1/2 Robust Security Features
- 1/2 Auto Voice and Auto Video
- 1/2 Comprehensive QoS Features
- 1/2 DHCP Snooping
- 1/2 Dual Firmware Images and Configuration Files
- 1/2 PoE Timer
- 1/2 Protected Ports

This new generation of Gigabit Smart Managed Switch from NETGEAR is the optimised solution providing the best value at an affordable SMB price point.

Netgear GS724T-400EUS Technical Specification

Hardware Features

- 1/2 Dedicated SFP Fiber Uplinks
- 1/2 Fanless Design
- 1/2 Energy Efficient Ethernet (IEEE802.3az)

Software Features

- 1/2 Dynamic VLAN Assignment
- 1/2 Static Routing
- 1/2 Comprehensive IPv6 Support for Management, ACL and QoS
- 1/2 IGMP Snooping and MLD Snooping
- 1/2 Robust Security Features: - 802.1x authentication - DHCP Snooping - Port-based security by locked MAC - ACL filtering to permit or deny traffic based on MAC and IP addresses
- 1/2 Auto Voice and Auto Video
- 1/2 Comprehensive QoS Features: - Port-based or 802.1p-based prioritisation - Layer 3-based (DSCP) prioritisation - Port-based ingress and egress rate limiting
- 1/2 DHCP Snooping
- 1/2 Dual Firmware Images and Configuration Files
- 1/2 Protected Ports
- 1/2 Dynamic ARP Inspection
- 1/2 Multicast VLAN Registration
- 1/2 EAV (Ethernet Audio/Video Bridging) Support

Product Specifications

## Netgear ProSafe GS724Tv4 24 Port Gigabit Smart Switch

• Interfaces: 24 10/100/1000 Mbps auto-sensing Gigabit Ethernet switching ports, and two dedicated 1000M SFP fiber ports.

### Performance Specifications

- Forwarding modes: Store-and-forward
- Bandwidth: 52 Gbps
- Priority queues: 8
- Priority queuing: Weighted Round Robin (WRR)
- MAC Address database size: 16k media access control (MAC) addresses
- Addressing: 48-bit MAC address
- Multicast groups: 512
- Number of static routes: 32
- Number of routed VLANs: 15
- Number of ARP Cache entries: 512
- Number of DHCP snooping bindings: 8K
- Number of DHCP static entries: 1024
- ACL: 100 shared for MAC, IP and IPv6 ACLs
- Jumbo frame support: up to 9K packet size
- Acoustic noise (ANSI-S10.12): 0 dBA
- Mean Time Between Failures (MTBF): 567,680 hours

### L2 Services - VLANs

- IEEE 802.1Q VLAN Tagging: Yes
- Protocol based VLANs: Yes
- MAC based VLANs: Yes
- Voice VLAN: Based on phones OUI bytes (internal database, or user-maintained) or protocols (SIP, H323 and SCCP)
- Protocol-based VLAN: Yes

### Network Security

- IEEE 802.1x
- Guest VLAN
- RADIUS based VLAN assignment via .1x
- MAC-based .1x
- RADIUS Accounting
- Network Storm Protection, DoS
- Broadcast, Unicast, Multicast DoS Protection
- DoS Attacks
- Dynamic ARP inspection

### L2 Services - Availability

- IEEE 802.3ad - LAGs
- LACP (26 LAGS with max. of 8 members in each LAG)
- Broadcast Storm Control
- IEEE 802.3x (Full Duplex and flow control)
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.1s Multiple Spanning Tree

### L2 Services - Multicast Filtering

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- IGMP Snooping (v1, v2 and v3)
- MLD Snooping Support (v1 and v2)
- IGMP Snooping Queries
- Block Unknown Multicast
- Multicast VLAN Registration

### L3 Services - DHCP

- DHCP Client
- DHCP Snooping

### L3 Services - IPV4 Routing

- Static Routing
- VLAN Routing
- IP Source Guard

### Network Monitoring and Discovery Services

- 802.1ab LLDP
- SNMP: v1, v2c, v3
- RMON 1,2,3,9

### Network Traffic

- Access Control Lists (ACLs): L2 / L3 / L4
- IP-based ACLs (IPv4 and IPv6)
- MAC-based ACL
- TCP/UDP-based ACL
- MAC lockdown
- MAC lockdown by the number of MACs
- IEEE 802.1x Radius Port Access Authentication
- Port-based security by locked MAC addresses
- Dynamic VLAN Assignment
- Dynamic ARP inspection

### Quality of Service (QOS)

- Access Lists
- L2 MAC, L3 IP and L4 Port ACLs
- Ingress rate limiting
- Egress rate limiting
- Support for IPv6 fields
- DiffServ QoS
- IEEE 802.1p COS
- Dst MAC and IP
- IPv4 and v6 DSCP
- IPv4 and v6 TOS
- WRR (Weighted Round Robin)
- Strict Priority Queue Technology
- Timing and Synchronisation for Time Sensitive Applications (IEEE802.1AS)
- Stream Reservation Protocol (SRP) (IEEE802.1Qat)
- Forwarding and Queuing for Time Sensitive Streams (IEEE802.1Qav): up to 24 ports simultaneously

## Netgear ProSafe GS724Tv4 24 Port Gigabit Smart Switch

• IEEE 802.1BA Audio Video Bridging Systems (IEEE802.1BA)  
• Auto-VoIP: Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address  
• Auto Video  
• Port Mirroring

### IEEE Network Protocols

• IEEE 802.3 Ethernet  
• IEEE 802.3i 10BASE-T  
• IEEE 802.3u 100BASE-T  
• IEEE 802.3ab 1000BASE-T  
• IEEE 802.1Q VLAN Tagging  
• IEEE 802.3x Full-Duplex Flow Control  
• IEEE 802.1Qav1  
• IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX  
• IEEE 802.3ae 10-Gigabit Ethernet  
• IEEE 802.3ad Trunking (LACP)  
• IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED)  
• IEEE 802.1p Class of Service  
• IEEE 802.1Qat1  
• IEEE 802.1D Spanning Tree (STP)  
• IEEE 802.1s Multiple Spanning Tree (MSTP)  
• IEEE 802.1w Rapid Spanning Tree (RSTP)  
• IEEE 802.1x Radius network access control  
• IEEE 802.1BA1  
• IEEE 802.1AS1

### Management

• Password Management  
• Configurable Management VLAN  
• Admin Access Control via Radius and TACACS+  
• Web-based Graphical User Interface (GUI)  
• Smart Control Center (SCC) for Multi-switch Management  
• IPv6 Management  
• Dual Software (firmware) Image  
• Dual Configuration File  
• SNTP Client over UDP Port 123  
• SNMP v1/v2C  
• SNMP v3 with Multiple IP Addresses  
• RMON 1,2,3,9  
• Port Mirroring  
• Many to One Port Mirroring  
• Cable Test Utility  
• SSL/HTTPS and TLS v1.0 for Web-based access  
• File Transfers (uploads, downloads): TFTP / HTTP  
• HTTP Download (firmware)  
• Syslog (RFC 3164)

### LEDs

• Per Port: Speed, Link, Activity  
• Per Device: Power and Fan (GS748T only)

## Netgear ProSafe GS724Tv4 24 Port Gigabit Smart Switch

### Physical Specifications

Weight: 2.74kg

Dimensions (WxDxH): 440 x 204 x 43mm

### Power Consumption

WorstCase, all ports used, line-rate traffic: 17.4W

### Environmental Specifications

Operating Temperature: 32° to 122°F (0° to 50°C)

Operating Humidity: 90% maximum relative humidity, non-condensing

Operating Altitude: 10,000ft (3,000m) maximum

Storage Temperature: -4° to 158°F (-20° to 70°C)

Storage Humidity: 95% maximum relative humidity, non-condensing

Storage Altitude: 10,000ft (3,000m) maximum

### Electromagnetic Emissions and Immunity

Certifications: - CE mark, commercial - FCC Part 15 Class A, VCCI Class A - Class A EN 55022 (CISPR 22) Class A - Class A C-Tick - EN 50082-1 - EN 55024 - CCC

### Safety

Certifications: - CE mark, commercial - CSA certified (CSA 22.2 #950) - UL listed (UL 1950)/cUL IEC 950/EN 60950

**Price: £200.70**