Netgear ProSafe GS116E 16PT Gigabit Smart Managed Plus Switch

Product Name: Netgear ProSafe GS116E 16PT Gigabit Smart Managed Plus Switch
Manufacturer: Netgear
Model Number: GS116E

Netgear ProSafe GS116E 16PT Gigabit Smart Managed Plus Switch
The Netgear 16PT Gigabit Smart Managed Plus Switch provides fundamental network features such as VLANs, QoS, and IGMP Snooping that will help optimise the performance of business networks. The GS116E is the perfect upgrade from the plug-and-play unmanaged switch, delivering essential networking features at a very affordable price. Netgear ProSafe GS116E 16PT Gigabit Smart Managed Plus Switch Key Features

ï¿½ VLAN support for traffic segmentation
ï¿½ Quality of Service (QoS) for traffic prioritization
ï¿½ Auto “denial-of-service” (DoS) prevention
ï¿½ Troubleshoot connection issues via cable test
ï¿½ Loop detection and broadcaststorm controls

The Netgear 16PT Gigabit Smart Managed Plus Switch enables network configuration and management at the price point of Unmanaged Switches with a Gigabit connection that delivers up to 2000 Mbps of deficated, non-blocking bandwidth per port.
The GS116E has a simple, yet useful network set-up on top of plug-and-play connectivity with flexible management via easy-to-use web browser-based management GUI or using the PC-Based Utility application.
The 16PT Gigabit Smart Managed Plus Switches can help divide big networks into smaller more manageable groups and have resources dedicated for one or several groups rather than making the same resources open to all. This feature improves overall network performance, adds security to network traffic, and makes more efficient use of network resources.
With the ability to set up and configure QoS, they can detect different types of network traffic and assign the desired priority to latency-sensitive traffic, such as voice and video. This helps improve the delivery quality of related applications such as VoIP, multimedia broadcasting, and video conferencing.
Netgear GS116E 16PT Gigabit Smart Managed Plus Switch - Technical Specification
General

ï¿½ Gigabit Ports: 16
ï¿½ Max MAC entries: 16k
ï¿½ Buffer size 768KB
ï¿½ 802.11ac: 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80)
ï¿½ 802.11b: 1, 2, 5.5, 11 Mbps
ï¿½ 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

Performance Specifications

ï¿½ Forwarding modes: Store-and-forward
ï¿½ Bandwidth: 32 Gbps
ï¿½ Priority queuing: Weighted Round Robin (WRR), Strict Priority, or both
ï¿½ Jumbo frame support
ï¿½ Mean Time Between Failures (MTBF) (hrs) : 504,993

Environmental Specifications

ï¿½ Operating temperature: 32° to 122°F (0° to 50°C)

Netgear ProSafe GS116E 16PT Gigabit Smart Managed Plus Switch

ï¿½ Operating Humidity: 90% maximum relative humidity, non-condensing
ï¿½ Operating Altitude: 10,000 ft (3,000 m) maximum
ï¿½ Storage temperature: – 4° to 158°F (–20° to 70°C)
ï¿½ Storage Humidity: 95% maximum relative humidity, non-condensing
ï¿½ Storage Altitude: 10,000 ft (3,000 m) maximum

IEEE Network Protocol

ï¿½ IEEE 802.3 Ethernet
ï¿½ IEEE 802.3ab 1000BASE-T
ï¿½ IEEE 802.1Q VLAN Tagging
ï¿½ IEEE 802.3i 10BASE-T
ï¿½ IEEE 802.1p Class of Service
ï¿½ IEEE 802.3x Full-duplex Flow Control
ï¿½ IEEE 802.3u 100BASE-T • IEEE 802.3af (PoE)

Management

ï¿½ System password
ï¿½ Web browser based management GUI
ï¿½ PC Utility
ï¿½ Port Mirroring
ï¿½ Max number of source ports allowed (many to 1): 15
ï¿½ Many-to-one Port Mirroring
ï¿½ Cable Test Utility
ï¿½ FW upgrade thru Plus Utility (TFTP)
ï¿½ Cofnig download (to Switch) thru Plus Utility
ï¿½ Cofnig upload (to Server)

Package contents

ï¿½ Smart Managed Plus Switch
ï¿½ Power cord or power adapter
ï¿½ Quick Install Guide
ï¿½ Resource CD with PC Utility software

Warranty

ï¿½ Switch Lifetime
ï¿½ Power adapter: 2 years

Safety

ï¿½ CE mark, commercial
ï¿½ CSA certified (CSA 22.2 #950)
ï¿½ UL listed (UL 1950)/cUL IEC 950/EN 60950

Physical Specifications

ï¿½ Dimensions (mm):286x101x26
ï¿½ Weight (kg): 286x101x26

L2 Services - VLANS

Netgear ProSafe GS116E 16PT Gigabit Smart Managed Plus Switch

ï¿½ VLAN (# Supported): 100
ï¿½ IEEE 802.1Q VLAN Tagging
ï¿½ Port-based VLAN

L2 Services - Availability

ï¿½ Link Aggregation/ Port Trunking: Static Manual LAGs only
ï¿½ Number of static LAGs and # of members: 8 LAGs and 2 to 4 members

l2 Services - Multicast Filtering

ï¿½ IGMP Snooping (v1, v2 and v3
ï¿½ Block unknown Multicast
ï¿½ Supported Multicast groups: 64

L3 Services - DHCP

ï¿½ DHCP Client

Quality of Service

ï¿½ Rate limiting
ï¿½ IEEE 802.1p COS
ï¿½ Port-based VLAN
ï¿½ TOS
ï¿½ WRR (Weighted Round Robin)
ï¿½ Strict Priority queue technology

Micellaneous features

ï¿½ Loop detection
ï¿½ DoS Prevention
ï¿½ Broadcast Storm Control
ï¿½ Energy Efficient Ethernet (EEE)

LEDs

ï¿½ Per Port: Speed, Link, Activity
ï¿½ Per device: Power, Fan and PoE Status

Power Consumption (When all ports used, line-rate traffic and max POE

ï¿½ Worst case, all ports used, line-rate traffic, max PoE (W): 100
ï¿½ Heat Dissipation Max/ Standby(BTU/hr): Max: 34.2, Min: 13.3

Price: Â£78.50