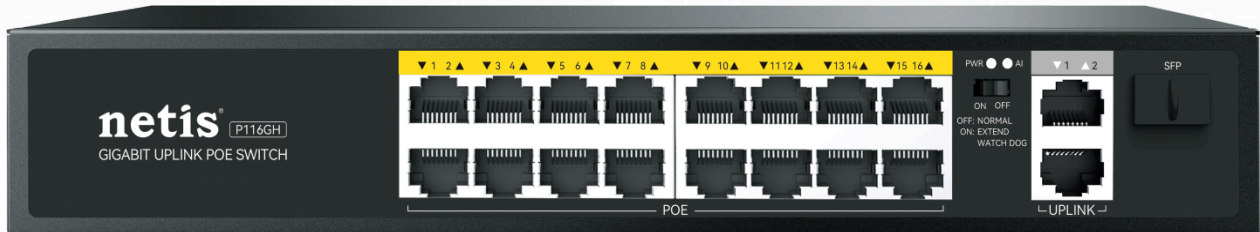# 16 FE POE+2GE Uplink+1SFP POE Switch

P116GH
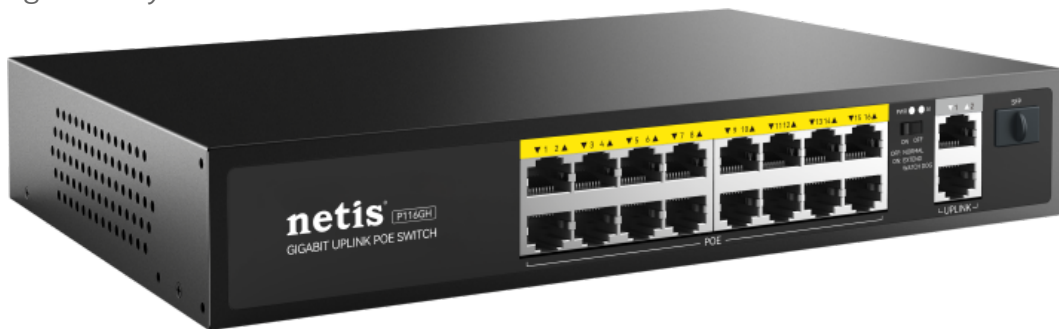

OVERVIEW :
Netis P116GH is an 18 Ports standard POE switch that provides 16 FE POE ports, 2 Gigabit Uplink ports and 1 SFP port. Ports 1-16 features POE power supply capability and can be used as Power over Ethernet devices. Supports two modes: Normal Mode/Extend+Watch Dog Mode (Port1-16: 250Metres ultra-long transmission+24 hours intelligent detection and troubleshooting capabilities. Automatically restarts problematic ports). The power supply port can automatically detect and recognize the powered device that complies with the IEEE 802.3af/at standard and supply power through the network cable. 2 Gigabit uplink ports ensure a smooth transmission for NVR or up-link routers. P116GH is a most economical solution for HD security network.

FEATURES:
· Follow IEEE 802.3 Ethernet and IEEE802.3u Fast Ethernet Protocol
· POE IEEE 802.3af/at compliant Powered Device (PD)
· Supports two modes: Normal Mode/Extend+Watch Dog Mode
· Ports 1-16 features POE power supply capability and can be used as Power over Ethernet
  devices ; 2*10/100/1000Base-T Uplink and 1*1000Base-X SFP
· Support full duplex based on IEEE802.3x and half duplex based on Backpressure
· Auto MDI/MDIX crossover for all ports
· Non-blocking wire speed forwarding
· MAC address auto-learning & auto-aging
· Steel case, the total POE power budget of 240W
· Just Plug and Play

SPECIFICATION :

Hardware	
Interface	16 10/100M POE Ports (Data /Power) 2 10/100/1000M RJ45 Ports (Data) 1 SFP Slot(Data)
Store & Forwarding	Yes
LED	PWR - Lighting:The product is powered on Function indication - Lighting:The function switch is on and watch dog+ Extend Mode is enabled Port lights - Lighting:Port link is normal,Blinking: Data in transit
Mode	Normal Mode Extend+Watch Dog Mode
Switching Capacity	9.2G
MAC Address Table Size	2K
Jumbo Frame	2048 byte
Power Input POE Standards	Single port maximum power 30W, Whole switch maximum power 240W Support over-current, over-voltage and short-circuit protection Support Soft Start of High Power PD Support sequential boot-up Power Supply Pin:12+/36- AC 100~240V 50-60HZ

Software	
Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3i 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3af/at, Power over Ethernet IEEE 802.3x Flow Control
Mode	Normal switch mode Watch dog + Extend mode
Basic function	Follow IEEE 802.3 Ethernet and IEEE802.3u Fast Ethernet Protocol Support POE IEEE 802. 3af/at compliant Powered Device (PD) Store-and-forward switching scheme Support IEEE802.3X full duplex and Backpressure half duplex MAC address auto-learning & auto-aging

Others	
Data Transfer Rate	10Mbps(Half-duplex and Full-duplex) 100Mbps(Half-duplex and Full-duplex) 1000Mbps(Full-duplex)
Environment	Operation Temperature：0℃～40℃ Storage Temperature：-40℃～70℃ Operation Humidity：10%～90% RH Non-condensing Storage Humidity：5%～90% RH Non-condensing

Cabling type	1000BASE-T : Cat5e or better UTP(≤100m) 100Base-TX: Cat 5e or better UTP/STP(≤100m) 10Base-TX: Cat 5e or better UTP/STP(≤250m)
Dimensions	280mm*180mm*45mm(L x W x H)