Cloud Managed Gigabit Ethernet PoE Switch

NSW3000-17GT1GP1GC-POE-IN





Overview

The NSW3000 series Gigabit Ethernet PoE switch is a cloud managed switch self-developed by Uniview with high performance, easy to use and maintain. The product adopts the leading high performance hardware architecture and industrial design concepts to enhance the environmental adaptability of the network. It provides a lightweight 2 layers of network basic configuration, including port mirroring, port anti-loop, VLAN, link aggregation, flow control, etc. It supports auto-discovery of connected video devices and generation of network topology; supports unified management and configuration on the software for rapid maintenance of multiple devices; and supports viewing the device status and managing devices on the Web or app. The switch meets the user's requirements to access the network with highly reliability and low cost, widely used in scenarios such as stores, supermarkets, enterprises, campuses, etc.

Features

- Supports unified configuration, management, and search on the software, convenient for rapid operation and maintenance of multiple devices; supports automatically discovering the connected video devices and generating a network topology on the software.
- Supports Web login, and device configuration and management on the Web interface;
- Supports visiting the cloud by scanning the QR code. Allows to view the device status and network topology in real time on the app.
- Supports PoE power supply and allows to view the power; allows to enable or disable PoE power supply for the powered device; allows up to 250m power supply (Long range performance may vary depend on camera model or cable condition)
- Supports the extend mode for up to 250m communication range and 10Mbps auto-negotiation rate.
- Supports project reports: collects information of all devices in a project and generates reports, such as device model, IP address,

serial number, etc.

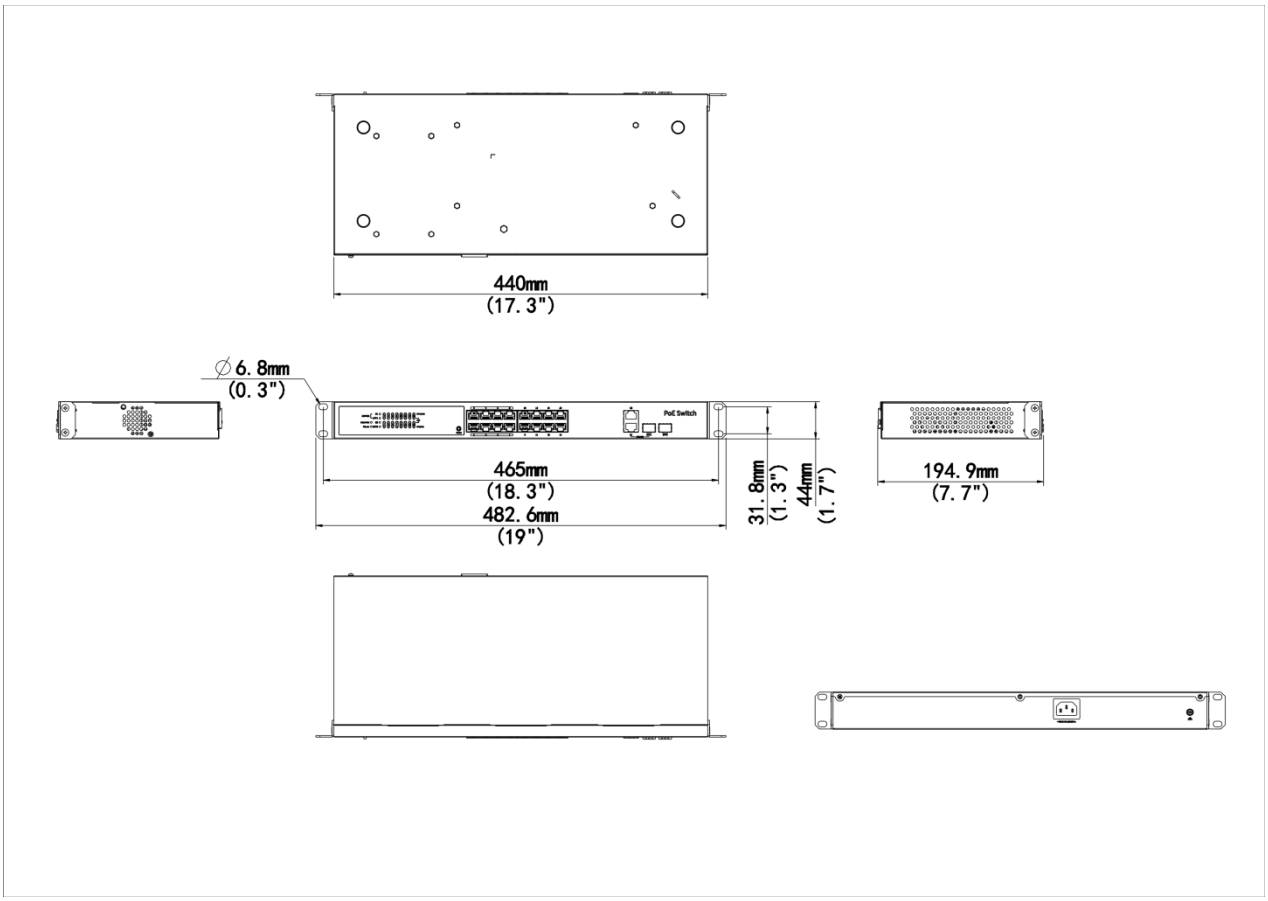
- Supports NAT traversal, enabling access to the Web, SSH, Telnet, and RDP services of devices connected to the switch.
- Supports an AI assistant powered by large language models (LLMs) for querying, configuring, and maintaining switches.
- Allows to report port abnormal alarms to the software for realtime monitoring.
- Supports port priority. The packets received by the priority port will be forwarded first when the switch is fully loaded and the priority port will be powered first when the PoE power supply is full.
- All metal casing, secure and reliable.

Specifications

Model	NSW3000-17GT1GP1GC-POE-IN
Hardware Specification	
Ports Type	16 x 10/100/1000Mbps PoE port (RJ45) 1 x 10/100/1000Mbps port (RJ45) 1 x Gigabit SFP 1 x Gigabit Combo
Standards	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at, IEEE802.3az
Switching capacity	38Gbps
Forwarding performance	28.272Mpps
Packet Buffer	4 M bit
MAC	8K
Weight	2.18kg
Dimensions (W×D×H)	440mm x 189.8mm x 44mm
PoE Standard	IEEE 802.3af, IEEE 802.3 at
Max.PoE Power	Maximum total power: 250W Maximum PoE power for single port (port 1-4): 45W Maximum PoE power for single port (port 5-16): 30W
PoE Mode	ModeA (1236), ModeB (4578)
Power Supply	AC: 100 to 240V, 50/60Hz
Max.Power	265W
Prior Ports	1 to 8
Cooling Fans	1
Operating Humidity	5% to 90% RH, noncondensing
Operating Temperature	0°C to 45°C (32°F to 113°F)
Indicator	Power: Off: Abnormal power input. Green: Normal power input. PoE: Off: The PoE port is not supplying power Steady on: The PoE port is supplying power normally Link/Act: Off: Disconnected to the port On: Connected to the port

	Blinking: Transmitting data MAX: Off: The total PoE power is less than 80% of the total power of the device Steady on: The total PoE power is higher than 85% of the total power of the device
Software Specification	
Ethernet	Supports full duplex, half duplex, and auto-negotiation working modes. Supports port auto-negotiation rate. Supports port priority flow control. Supports a link aggregation group (consist of two uplink ports) Supports port flow statistics Supports enabling/disabling ports
VLAN	Supports both access and trunk modes; allows up to 32 VLANs with IDs from 1 to 4094
MAC	Support (up to 8K) . Supports clearing the dynamic MAC address
POE	Allows to view PoE status and power. Allows to enable/disable PoE power supply. Supports HiPoE
Loop Detection	Loop Detection
QoS	Supports port rate limitation. Supports broadcast storm control.
Security	Supports port isolation (only for the downlink ports) Supports locking login IP address, up to 64 addresses can be locked
Maintenance	Supports N: 1 port mirroring Supports unified software configuration, management, and search Supports discovering the connected video devices and generating a network topology on the software. Supports device upgrade, factory settings restoration, configuration import, configuration export, logs export, and device restart on the software.
System	Allows to view the device name, device model, serial number, current version, IP address, MAC address, DNS, operation time, etc. Allows to edit and manage the IP address and device name Supports single-user management, user authentication, and password modification Allows to view other switches information on the same network, up to 32 switches Allows to view the connected video devices information, up to 64 devices
Basic	
Installation Type	Wall, Rack
Port Surge Protection	Common mode ±2KV
Port ESD Standard	Contact ±4KV,Air ±8KV
Certification	CE,FCC, UL
Compliance	
NDAA Compliant	Support

Dimensions


440mm
(17.3")
∅6.8mm
(0.3")
465mm
(18.3")
482.6mm
(19")
31.8mm
(1.3")
44mm
(1.7")
194.9mm
(7.7")

Unlimited New View

Zhejiang Uniview Technologies Co., Ltd.

http://www.uniview.com

overseasbusiness@uniview.com; globalsupport@uniview.com

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

©2024-2026 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.

Despite our best efforts, technical or typographical errors may exist in this document. Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.