

# Ethernet POE Switches Datasheet

## NSW2020-16T1GT1GC-POE-IN



## Features

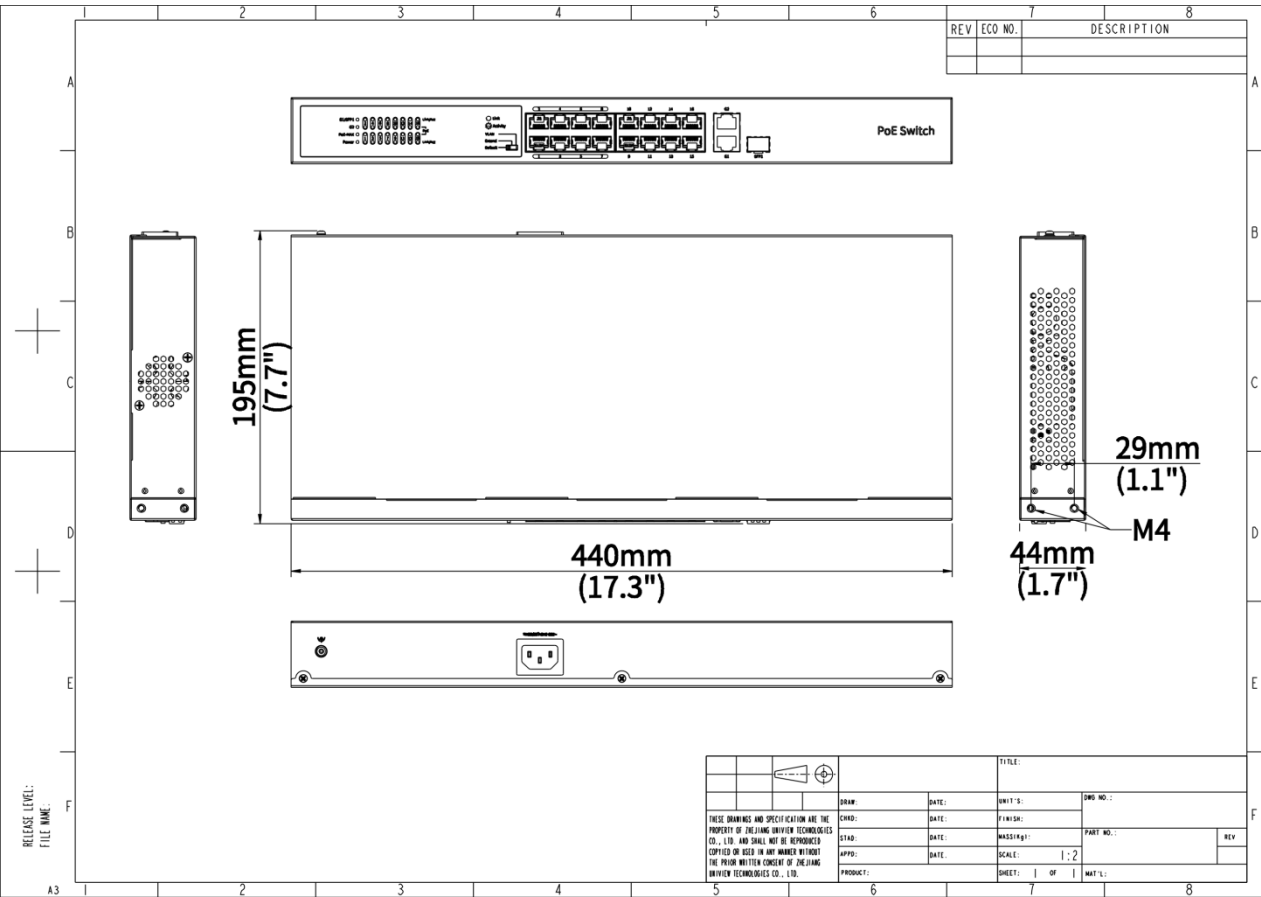
- Multiple working modes to address your business needs: Default(Normal mode), VLAN(Secure mode), EXTEND(Surveillance mode)
- Support port traffic control
- Support for secure mode, all downlink ports can communicate only with uplink ports
- Up to 250m transmission distance on surveillance mode
- Support buffer optimization
- All metal housing, safe and reliable

## Specifications

| Model                  | NSW2020-16T1GT1GC-POE-IN                                                           |
|------------------------|------------------------------------------------------------------------------------|
| Hardware Specification |                                                                                    |
| Ports Type             | 16×100Mbps PoE ports (RJ45)+ 1×1000Mbps Gigaethernet ports +1×1000Mbps Combo ports |
| Switching capacity     | 7.2 Gbps                                                                           |
| Packet Buffer          | 4 M bit                                                                            |
| Forwarding performance | 5.36Mpps                                                                           |
| Power Supply           | AC: 100 to 240V, 50/60Hz                                                           |
| MAC                    | 16K                                                                                |
| PoE Standard           | IEEE 802.3 at, IEEE 802.3af                                                        |
| PoE Mode               | ModeB (4578)                                                                       |
| Max.PoE Power          | Max capacity:250W<br>Max capacity for single port: 30W                             |
| Prior Ports            | 1 to 8                                                                             |

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards             | IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at, IEEE802.3az                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cooling Fans          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Max.Power             | 265W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating Temperature | 0°C to 45°C (32°F to 113°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operating Humidity    | 10% to 90% (noncondensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Indicator             | <p>POWER:</p> <p>Steady on: AC input is normal</p> <p>Off: No AC input</p> <p>PoE:</p> <p>Off: No PoE power supply</p> <p>Steady on: PoE power supply is normal</p> <p>PoE-MAX:</p> <p>off : The POE power supply power of the whole machine is less than 80% of the specification</p> <p>Steady on : The POE power supply power of the whole machine is greater than 85% of the specification</p> <p>LINK/ACT:</p> <p>Off: No link</p> <p>Steady on: Linked</p> <p>Flashing: Transmitting data</p> |
| Dimensions (W×D×H)    | 440*195*44mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Weight                | 2.12KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Working Mode          | <p>Default (Normal mode) : All ports can communicate with each other, VLAN (Secure mode): Downlink ports can communicate only with uplink ports. Enabling PD keepalive function, the switch will restart the IPC via PoE power when the IPC sends no message in a period of time, Extend (Surveillance mode): Transmission distance up to 250 meters. Downlink ports can communicate only with uplink ports</p>                                                                                     |
| Compliance            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NDAA Compliant        | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Dimensions



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