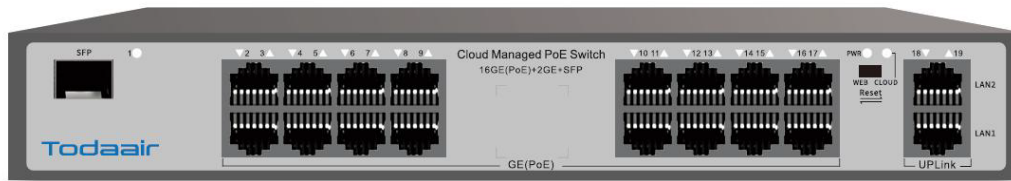


Todaair

Product Specification

TD-SW16G-2GFP



Product Overview

The **TD-SW16G-2GFP** is a **cloud-managed Gigabit PoE switch** designed for professional IP network and surveillance applications. It features **16 Gigabit PoE RJ45 ports, 2 Gigabit RJ45 uplink ports, and 1 Gigabit SFP uplink port**. All PoE ports support automatic detection of IEEE 802.3af/at compliant powered devices. The switch supports both **local web-based management** and **remote management through the Todaair cloud platform and mobile app**.

Key Features

- IEEE 802.3, 802.3u, 802.3ab, IEEE 802.3z, and IEEE 802.3af/at compliant
- 16 x 10/100/1000 Mbps PoE RJ45 ports
- 2 x 10/100/1000 Mbps RJ45 uplink ports
- 1 x Gigabit SFP uplink port
- Automatically detects PoE-powered devices while helping protect non-PoE equipment
- Supports 802.1Q VLAN, MTU VLAN, and Port VLAN
- Cloud-managed and locally managed through web GUI
- Remote management through the Todaair mobile app and cloud platform
- Supports DHCP Snooping, port mirroring, and port management
- Supports broadcast and multicast storm control
- Auto MDI/MDI-X on all RJ45 ports
- IEEE 802.3x flow control for full-duplex operation
- MAC address auto-learning and aging
- Manual static MAC binding
- Supports ACL-based traffic control
- Overcurrent, overload, and short-circuit protection
- Sequential PoE startup to reduce inrush current
- Soft-start PoE power-up support
- Metal housing for improved durability
- Plug-and-play deployment

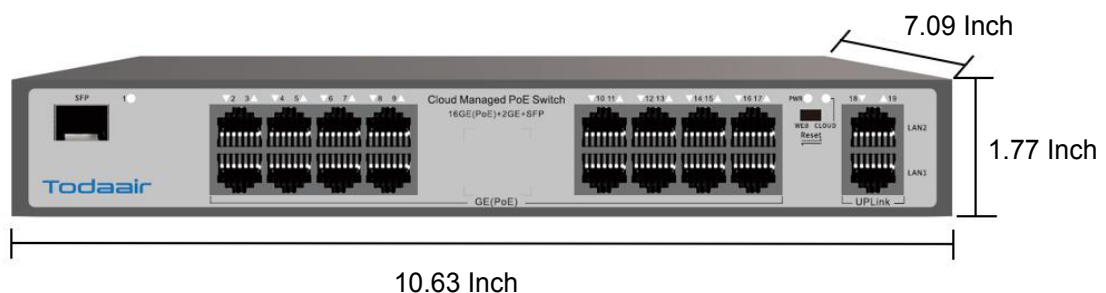
Product Specification

<p>Hardware Specifications</p>	<ul style="list-style-type: none"> • Ports: 16 x 10/100/1000 Mbps PoE RJ45 Ports, 2 x 10/100/1000 Mbps RJ45 Uplink Ports, 1 x Gigabit SFP Uplink Slot • Switching Capacity: 38 Gbps • Packet Forwarding Rate: 28.272 Mpps • MAC Address Table: 2K • Power Input: AC 100–240V • PoE Power Budget: 220W
<p>Cabling & Transmission Distance</p>	<ul style="list-style-type: none"> • 1000Base-T: Cat5e or higher UTP/STP, up to 328 ft. (100 m) • 100Base-TX: Cat5 or higher UTP/STP, up to 328 ft. (100 m) • 10Base-T: Cat5e or higher UTP/STP, up to 820 ft. (250 m)
<p>LED Indicators</p>	<ul style="list-style-type: none"> • Power LED: Indicates switch power status • Link/ACT LED: <ul style="list-style-type: none"> - Solid On: Link established - Blinking: Data activity
<p>PoE & Protection Features</p>	<ul style="list-style-type: none"> • IEEE 802.3af/at compliant • Overcurrent protection • Overvoltage protection • Short-circuit protection • Sequential startup support to reduce inrush current • Soft-start PoE power-up support
<p>Management Features</p>	<ul style="list-style-type: none"> • Local web-based management • Remote cloud management • Remote management via Todaair mobile app • Firmware upgrade support • Factory reset • Switch reboot • Port configuration and monitoring • VLAN configuration • PoE control by port
<p>Remote Monitoring</p>	<ul style="list-style-type: none"> • Device serial number • Model number • Firmware version • IP address • Real-time PoE power usage by port • Port link status • Link speed and duplex status • Uplink / downlink traffic status • VLAN status

Product Specification

<p>Remote Configuration</p>	<ul style="list-style-type: none"> • Port isolation • Port restart / bounce • PoE on/off by port • Port bandwidth limiting • Switch reboot • Factory reset • Port speed / duplex configuration • Firmware upgrade • VLAN configuration
<p>Security & Network Features</p>	<ul style="list-style-type: none"> • Password-protected management access • DHCP Snooping • DHCP attack protection • Port security • Port isolation • CPU protection • MAC binding • Port mirroring • Traffic redirection • Broadcast and multicast storm control
<p>Environmental</p>	<ul style="list-style-type: none"> • Operating Temperature: 32°F to 104°F (0°C to 40°C) • Storage Temperature: -40°F to 158°F (-40°C to 70°C) • Operating Humidity: 10% to 90% RH, non-condensing • Storage Humidity: 5% to 90% RH, non-condensing • Surge Protection: 4kV differential mode / 4kV common mode
<p>Physical</p>	<ul style="list-style-type: none"> • Dimensions: 10.63 x 7.09 x 1.77 in. (270 x 180 x 45 mm) • Net Weight: 1.35 kg
<p>Package Contents</p>	<ul style="list-style-type: none"> • 1 x Switch • 1 x User Manual 7.09 x 1.77 in. (270 x 180 x 45 mm)

Product Image



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Todaair APP