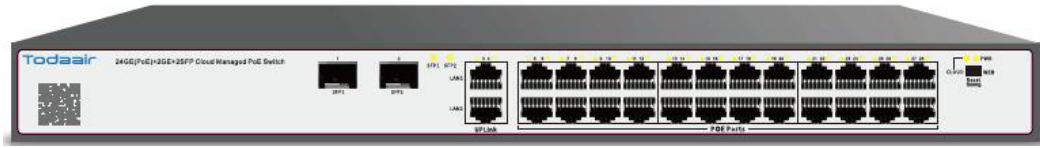


Todaair

Product Specification

TD-SW24G-2GFP



Product Overview

The **TD-SW24G-2GFP** is a **cloud-managed Gigabit PoE switch** designed for professional IP network and surveillance applications. It features **24 Gigabit PoE RJ45 ports, 2 Gigabit RJ45 uplink ports, and 2 Gigabit SFP uplink ports**. 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**.

Features

- IEEE 802.3, 802.3u, 802.3ab, IEEE 802.3z, and IEEE 802.3af/at compliant
- 24 x 10/100/1000 Mbps PoE RJ45 ports
- 2 x 10/100/1000 Mbps RJ45 uplink ports
- 2 x Gigabit SFP uplink ports
- 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 STP and RSTP for loop prevention and network stability
- Supports DHCP Snooping, port mirroring, and port management
- Supports QoS, ACL, and rate limiting
- 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 common-mode and differential-mode surge protection
- 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

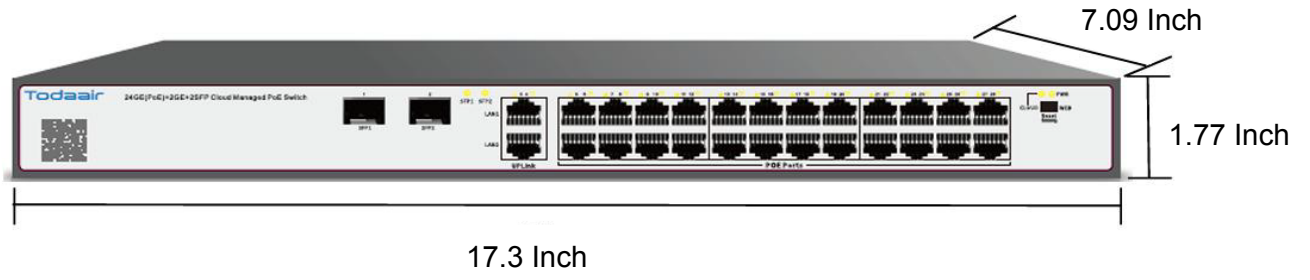
Product Specification

<p>Hardware Specifications</p>	<ul style="list-style-type: none"> • Ports: 24 x 10/100/1000 Mbps PoE RJ45 Ports, 2 x 10/100/1000 Mbps RJ45 Uplink Ports, 2 x Gigabit SFP Uplink Slots • Switching Capacity: 56 Gbps • Packet Forwarding Rate: 41.664 Mpps • MAC Address Table: 8K • Power Input: AC 100–240V, 3.5A • PoE Power Budget: 340W
<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 • MAC binding • DHCP Snooping • DHCP attack protection • Port security • Port isolation • CPU protection • Port mirroring • Traffic redirection • Rate limiting • QoS remarking • Broadcast and multicast storm control
<p>Quality of Service (QoS)</p>	<ul style="list-style-type: none"> • Supports port-based priority, 802.1p priority, and DSCP priority • Supports SP, WRR, SP+WRR, and Equal Priority scheduling
<p>Spanning Tree</p>	<ul style="list-style-type: none"> • Supports Spanning Tree Protocol (STP) • Supports Rapid Spanning Tree Protocol (RSTP)
<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: 17.32 x 7.09 x 1.77 in. (440 x 180 x 45 mm) • Net Weight: 2.5 kg
<p>Package Contents</p>	<ul style="list-style-type: none"> • 1 x Switch • 1 x User Manual • 1 x Power Cord • 1 x Mounting Bracket Set

Product Image



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