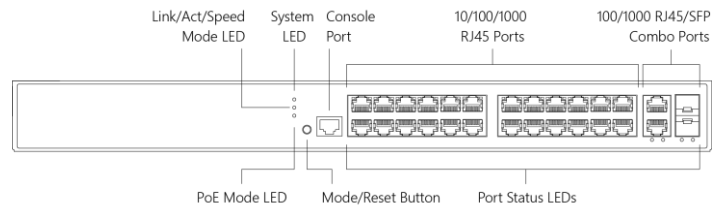


SM24TBT2DPA

Managed Switch, 24-port Gigabit PoE++, 2-port SFP/RJ-45 Combo

Quick Start Guide



Transition Networks' SM24TBT2DPA Switch is a next-generation Ethernet switch offering full L2 features, full PoE functionality, PoE++ per port output up to 90W. The *Non-Stop PoE* feature lets you upgrade switch firmware or reboot while retaining PoE power to PDs. **Note:** see the Install Guide for important Safety Warnings and Cautions, specifications, features, mounting, connections, grounding, powering, configuration, troubleshooting, regulatory, service, warranty and tech support Information.

LED Descriptions: The front panel LEDs provide switch status checking and monitoring.

SYS (System) LED: indicates if the switch is powered up correctly or if there is a system alarm triggered.

Mode LEDs: indicate the mode of all RJ45/SFP ports on the switch. You can press the **Mode/Reset** button sequentially to switch between the two different modes (Link/Activity/Speed mode and PoE mode).

Port Status LEDs: indicate the current status of each RJ45/SFP port. You can check these LEDs for port status in different modes after changing the mode by pressing the **Mode/Reset** button.

Press the **Mode/Reset** button for less than 2 seconds to change LED mode (Link/Act/Speed Mode or PoE Mode); you can then check the port status by reading the LED behaviors per the Install Guide.

Mode/Reset Button: Press the front panel Mode/Reset Button for a period of time to:

Change LED Mode: Press the button for 0 ~ 2 seconds; the SYS LED is ON Green; the Port Status LED status changes based on the mode selected.

Reset the Switch: Press the button for 2 ~ 7 seconds; the SYS LED blinks Green; all port Status LEDs are Off.

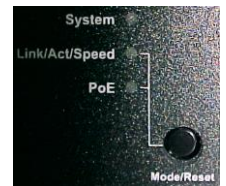
Restore to Defaults: Press the button for 7 ~ 12 seconds; the SYS LED blinks Green; all port Status LEDs are On.

Back Panel: The back panel provides for dual hot-swappable 1560W power supplies for powering the switch. The switch ships with one power supply (780 Watts) standard; use a secondary power supply module (1560 Watts) if the full 90 Watts output is needed on all ports.

Package Contents: Check the package contents to make sure you have received the one Switch with a Power Supply installed, one AC Power cord, a second Power Supply (Optional), one RJ-45 to DB-9 cable, and four rubber feet.

Install SFP Modules: Do not look into laser ports. **1.** Position the SFP at either install slot with the SFP label facing correctly. **2.** Carefully slide the SFP device into the slot, aligning it with the internal installation guides. **3.** Press firmly so the SFP firmly seats against the internal mating connector. **4.** Attach an appropriate cable into the SFP module port. **5.** Attach the other end of the cable into the other device.

Grounding: ATTENTION: This case must be grounded. No DC input may be earth grounded. Use Isolated Power Supply. **Note:** The switch is an indoor device. If it used with outdoor devices such as outdoor IP cameras or outdoor WAPs, then you should install a surge protector or surge suppressor in order to protect the switch.



Connecting to Power: CAUTION! Hazardous Area: Do Not remove this cover. Trained service people only. No serviceable components inside. **CAUTION:** Hot Surfaces. **WARNING:** For continued protection against risk of fire, replace only with same type and rating of fuse. **Note** the sticker indicating “To Keep Warranty Please Do NOT Remove”. **Warning:** Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts. **Warning:** shock hazards exist that can result in serious injury or death if safety instructions are not followed. **Note:** This product is to be connected only to UL listed PoE networks and without routing to the outside plant. **Power Connection Warning:** Connect the power supply to the switch first, and then connect the power supply to power. Otherwise catastrophic product failure may occur. **1.** Verify that power is off to the DC circuit that you are going to attach to the switch PoE DC-input connector. This can be either of the two power supplies (AC-input or DC-input) or site source DC. **2.** As an added precaution, place an appropriate safety flag and lockout device at the source power circuit breaker, or place a piece of adhesive tape over the circuit breaker handle to prevent accidental power restoration while you are working on the circuit. See the *Install Guide*.

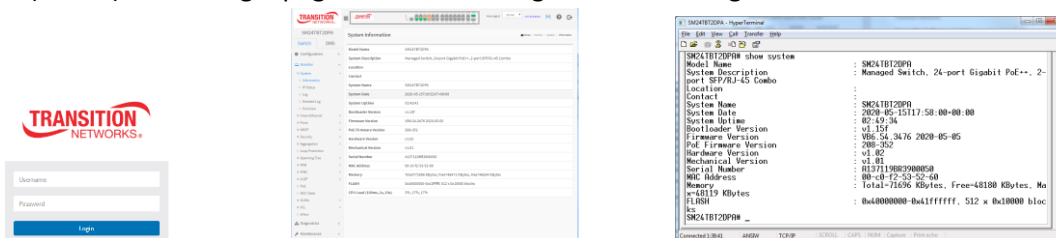
Power Disconnection: After a successful boot: **1.** Turn off power to the switch. **2.** Disconnect the cables.

Connect the AC Power Cord: Warning: Risk of electrical shock.

Warning: Shock/damage hazard exists if power supply is installed / removed while powered on. **1.** Refer to the “Grounding” section above. **2.** Remove the blank faceplate or use the one open power supply slot. **3.** Fasten the AC Power Supply with the slotted retaining screw. **4.** Insert the provided AC Power plug into the switch AC receptacle (power inlet). **5.** Connect the other end of the AC power cord to the AC power outlet. **6.** Check that the AC OK and DC OK LEDs are lit.



Initial Switch Config via Web Browser: 1. Connect the PC Ethernet RJ45 connector to the switch via standard Ethernet LAN cable. **2.** Power up the PC to be used for initial config. **3.** Reconfigure the PC’s IP address and Subnet Mask so it can communicate with the switch. **4.** Power up the switch to be initially configured and wait until it has finished its start-up processes. **5.** Connect the PC to any port on the switch using a standard Ethernet cable; make sure the switch port LED is lit. **6.** In a Web browser, enter the switch default IP address (192.168.1.77) and Subnet Mask (255.255.255.0). The Login page should display. **7.** Enter the factory default username (admin) and password (admin) on the Login page. **8.** Click the “Login” button to log into the switch. See the *Web User Guide*.



Initial Switch Config via CLI: 1. Use an RJ-45 cable to connect a terminal or PC/terminal emulator to the switch port to access the CLI. **2.** Attach the RJ-45 serial port on the switch front panel to the cable for Telnet/CLI configuration. **3.** Attach the other end of the DB-9 cable to a PC running Telnet or a terminal emulation program such as HyperTerminal or TeraTerm. **4.** After powering up the switch for the first time, you can perform the initial switch configuration using the CLI (Command Line Interface). See the *CLI Reference* for other switch features.

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