LANTRONIX®

SM24TBT2DPB

Managed PoE++ Switch, (24) 10/100/100Base-T ports + (2) 100/1000Base-X SFP/RJ45 Combo Ports

Quick Start Guide

Introduction

The **SM24TBT2DPB** Managed Gigabit Ethernet PoE++ Switches have (24) 10/100/1000Base-T Ports + (2) 100/1000Base-X SFP/RJ-45 Combo Ports and 19" rack mount brackets.

The **SM24TBT2DPB-DE** has <u>one</u> power supply and no Saf-D adapter cable or power cord (for Digital Electricity applications only). The **SM24TBT2DPB-xx** has <u>one</u> power supply; includes one Saf-D adapter cable, and country-specific power cord. The **SM24TBT2DPB-2XPS-DE** has <u>two</u> power supplies and no Saf-D adapter cable or power cord (for Digital Electricity applications only). The **SM24TBT2DPB-2XPS-xx** has <u>two</u> power supplies; two Saf-D adapter cables, and country-specific power cords. Model differences are noted where they apply.

Note: See the full Install Guide for important information on Safety Warnings & Cautions, Features, Specifications, Front Panel and LED descriptions, Mode/Reset button, Back Panel, Related Manuals, Installation, Package Contents, SFP Modules, Grounding, Power Supply Cautions & Warnings, Saf-D Connector, Connecting & disconnecting AC Power, DC Output Connector & Requirements, Temperature & AC Input Requirements, Initial Switch Config, Electrical Safety Warnings, Troubleshooting, Regulatory Agency, and Warranty.

LED Descriptions : There are several types of front panel LEDs:

SYS (System) LED indicates if the switch is powered up correctly or if there is a system alarm triggered for troubleshooting. Green On = switch is powered ON correctly. Green Off = switch is not receiving power. Red On = An abnormal state, such as exceeding operating temperature range, was detected in the switch.

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

Link/Act/Speed Green LED On = Port Status LEDs display link status, network activity and speed of each port. RJ45 green = 1000 Mbps; amber = 10/100 Mbps. SFP green = 1000 Mbps; amber = 100 Mbps.

PoE LED Green On = RJ45 Port Status LEDs display PoE powering status of each port.

Power Supply LEDs on the back panel indicate Power Supply status. **DC** Green On = DC input is ready. Red On = DC input has failed. Off = DC input is off. **AC** Green On = AC input is ready. Red On = AC input has failed. Red Off = AC output is off.

Port Status LEDs: indicate the current status of each RJ45 and SFP port. Press the Mode button for less than 2 seconds to change the LED mode to Link/Act/Speed Mode or PoE Mode. See the Install Guide for LED behavior.

Mode/Reset Button

Change LED Mode : press the button for 0~2 seconds; the SYS LED lights green and the Port Status LED changes based on the mode selected.

Reset the Switch : press the button for 2~7 seconds; the SYS LED blinks green, and all Port Status LEDs are off.

Restore to Defaults : press the button for 7~12 seconds; the SYS LED blinks green, and all Port Status LEDs stay on.

Back Panel : The back panel provides two power supply slots and an airflow opening. **Caution**: Be sure to leave adequate room for the airflow opening.

Installation : **Before** beginning installation read the Cautions and Warnings in the Install Guide.

Package Contents : Verify you received a switch with 1 power supply included, two 19" rack mount brackets, 8 screws, a DB9F to RJ45 cable, 4 rubber feet, 1 LTX card, and 1 printed Quick Start Guide. Depending on the model ordered, you may have also received one or two Saf-D-Grid adapter cable(s) and 1 or 2 country-specific IEC adapter power cord(s).
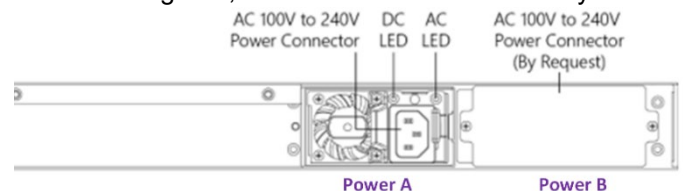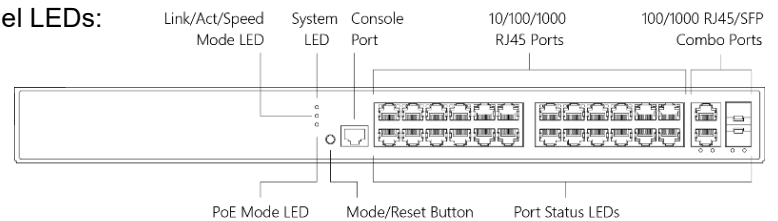
Mount the Switch in a 19-inch Rack : **1.** Attach mounting brackets to both sides of chassis. **2.** Insert screws and tighten. **3.** Position the switch in a slot in the rack, align the oval holes in the brackets with the mounting holes in the rack posts. **4.** Attach the brackets to the posts using screws provided. **Note**: See the Install Guide for Cautions and Warnings.

Mount the Switch on a Desk or Shelf : **1.** Verify that the desk or shelf is sturdy and reliably grounded. **2.** Attach the four adhesive rubber feet to the bottom of the switch.

Grounding : Case must be earth grounded. No DC input may be earth grounded.

Install SFP Modules : See the SFP Install Guide for important information. Avoid direct exposure to laser beams.

Power Supply(s): The **PS-ACDC-1200-DE** additional power supply is provided if you initially order a switch with one power supply and want to add a second power supply; includes no Saf-D adapter cable or power cord - for Digital Electricity applications only (optional – order separately). The **PS-ACDC-1200-xx** additional power supply is provided if you initially order a switch with one power supply and want to add the second power supply; includes one Saf-D adapter cable, and country-specific power cord(s) (optional – order separately).

Caution: You must install the PS-ACDC-1200 Power Supply with the edge connector down (the label facing up).

The PS-ACDC-1200 can accept both high/low voltage AC and high voltage DC with an advanced Saf-D connector, making it easy to deploy in PoE lighting in various environments. The Saf-D connector provided on the PS-ACDC-1200 has a one meter cable (25186) to convert the Saf-D to an IEC C14 Plug. **Caution**: use only provided power cords.

With each power supply we provide a 14 AWG Saf-D adapter cable and at least one 14 AWG power cable (in some cases one AC power cable can be used for both low line and high line AC, but in other cases two different cables are included).

Note: See the Install Guide for additional Cautions and Warnings and Saf-D Connector information.

If using AC power: **1**. Connect the Saf-D plug of the Saf-D adapter cord to the Saf-D receptacle on the switch power supply. **2.** Connect the IEC plug end of the Saf-D adapter cord to the IEC receptacle end of the power cord. **3.** Plug the power cord into an AC wall outlet. If using two power supplies, repeat steps 1-3 for the second power supply.

If using DC Power: **1.** Connect the Saf-D plug of the Saf-D adapter cord to the Saf-D receptacle on the switch power supply. **2.** Cut off the receptacle end of the Saf-D adapter cord, strip the insulation on each wire back approximately 0.25" (6mm). Twist the stranded wire ends to facilitate connection of the wires to an appropriate DC power source, ensuring the specifications meet the designated DC power requirements. See the Install Guide for acceptable DC power source specs.

If using Digital Electricity (DE): **1.** Follow the DE equipment provider's instructions to connect the Saf-D plug on the cable to the Saf-D receptacle on the switch's power supply.

Initial Switch Config - Web Browser : After powering up the switch for the first time, you can perform the initial switch configuration using a web browser. See the Web User Guide.

Initial Switch Config – CLI : Use an RJ-45 cable to connect a terminal or PC/terminal emulator to the Console port to access the CLI. See the CLI Reference.

Note: See the Install Guide for important information on Power Supply Operating Modes and removing / replacing power supplies.

Related Manuals : Install Guide 33845. Web User Guide 33738. CLI Reference 33739.

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