

# SM12DP2XA

## Managed Gigabit Ethernet Fiber Switch

### Quick Start Guide

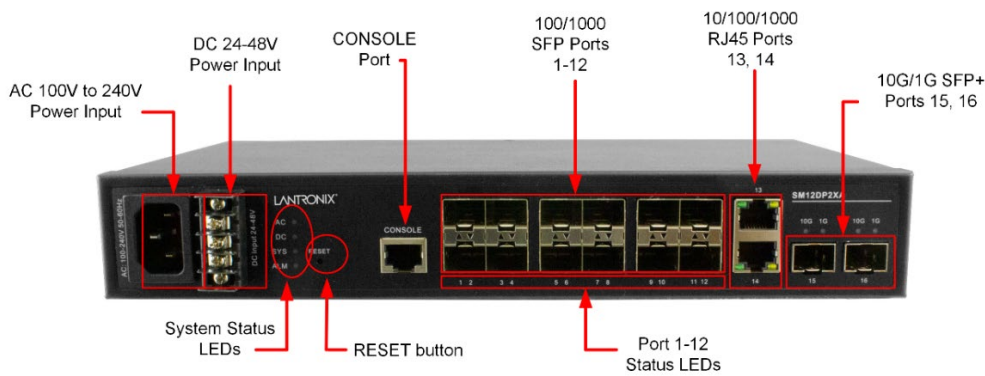


The SM12DP2XA L2+ Managed Switch is a next-generation Fiber Switch offering full suite of L2 features and additional 10GbE uplink connections. The SM12DP2XA provides twelve GbE SFP ports, two RJ45 ports, two 10GbE SFP+ ports and an RJ45 Console port with built-in AC and DC dual power inputs. It provides front panel access to all power, data and management ports in a compact form factor to facilitate desktop, wall-mount, or rack-mount installations.

See the *Install Guide* for important Cautions and Warnings, Compliance and Safety Statements, Key Features, Specifications, Front Panel, Site Preparation, Installation, Cabling, Unpacking, Mounting, Connecting to Power, Initial Switch Configuration, and Troubleshooting, Warranty, Support and Compliance information.

**Unpacking:** 1. Carefully unpack all SM12DP2XA contents. 2. Verify receipt of all SM12DP2XA components. 3. Place the SM12DP2XA and related materials near the install location.

**Front Panel:** The switch front panel contains the power inputs, ports, LEDs and RESET button.



**RJ-45 Ports:** The switch contains 10/100/1000BASE-T RJ-45 ports. All RJ-45 ports support automatic MDI/MDI-X operation, auto-negotiation and IEEE 802.3x auto-negotiation of flow control.

**SFP and SFP+ Slots:** The switch supports Small Form Factor Pluggable (SFP) transceiver slots port 1 to port 12, and port 15 to port 16 are 10G SFP+. By default, if an SFP transceiver is installed in a slot and has a valid link on the port, the associated RJ-45 port is disabled.

**CONSOLE Port:** The switch has one RJ-45 CONSOLE port for CLI access via the provided RS232 DB9 to RJ45 Cable. **Note:** Cross-over cabling to the CONSOLE port is not supported.

**Front Panel LEDs:** The switch includes a LED panel for system and port indications that simplify installation and network troubleshooting. See the *Install Guide* for Port Status LED and System Status LED details.

**RESET Button:** press and hold for 2-7 seconds to reset or 7-12 seconds to restore to factory defaults:

Task	Press RESET button for	SYS LED Behavior	Port Status LED Behavior
Reset the Switch	2 ~ 7 seconds	Blinking Green	All LEDs OFF
Restore to Defaults	7 ~ 12 seconds	Blinking Green	All LEDs stay ON

**Mounting:** Mount the switch in a standard 19-inch equipment rack, on a desktop, or shelf; see the *Install Guide*.

**Cabling:** Make sure that the cables are suitable for your operating environment. For fiber optic connections, use 50/125 or 62.5/125 micron multimode fiber or 9/125 micron single-mode fiber. For copper connections, use UTP for RJ-45 connections. For 1Gbps connections use Category 5, 5e, 6, or 6a.

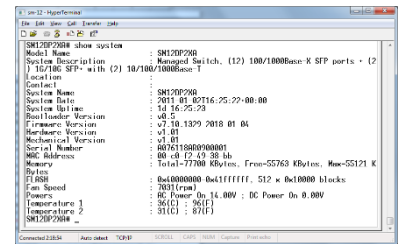
**Connecting to Power:** The SM12DP2XA front panel has two power inputs for power redundancy; the switch has a 100~240 VAC power socket for AC power Input and a 24-48 VDC power input via the terminal block. Using both Power Supplies provides power failover when power supplies are connected to different circuits. See the *Install Guide* for Connecting to AC and/or DC Power.



**Initial Switch Connection:** Initial switch connection can be via CLI or web browser. The factory defaults are IP Address: 192.168.1.77, Username: admin, and Password: admin.

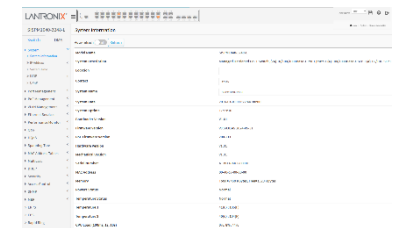
**CLI Connection**

1. Connect one end of an RJ-45 cable to a terminal or a PC/terminal emulator.
2. Attach the other end of the cable to the switch CONSOLE port.
3. Run a connectivity tool on the PC.
4. At 'Com Port Properties' (or similar) menu set: Baud rate=115200, Stop bits=1, Data bits=8, Parity=N, Flow control=none.
5. Enter the factory default username (admin) and password (admin) and press Enter to access the switch CLI.



**Web UI Connection**

1. Power up the PC that you will use for the initial web connection.
2. Change the PC's IP address and Subnet Mask so it can communicate with the switch.
3. Power up the switch to be initially configured and wait until it finishes its start-up processes.
4. Connect the PC to any port on the switch using standard Ethernet cable, and check the port LED on the switch to make sure the link status of the PC is OK.
5. Run your Web browser on the PC; enter the factory default IP address to access the switch's Web UI. The switch Login page displays.
6. Enter the factory default username (admin) and password (admin).
7. Click "Login" to log into the switch.
8. At the First Time Wizard enter a new password to display the startup webpage.



**Related Manuals:** SM12DP2XA Install Guide 33751, Web User Guide 33752, and CLI Reference 33753.



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