

SESPM-2P-24V-CP Passive PoE Port Module

Option Quick Start Guide



The SESP-2P-24V-CP is a Passive PoE Port Module to provide 24VDC power over a 10/100/1000Base-T port. Alternatively, it could also be used to activate a second 100/1000Base-X combo port (no passive PoE is provided over fiber). **Note:** Refer to the switch, module, and attached device documentation for important related information.

Note: The SESP-2P-24-CP is compatible with firmware versions 3.0.1 and later. It cannot be used with firmware versions earlier than 3.0.1.

Note: On the SESP1040-541-LT-PD version, the included combo port RJ-45 is used for receiving PoE input power to the switch; therefore, the included combo port on the -PD version is not available unless the switch is being DC powered over copper cable along with parallel fiber ("hybrid" or "composite cable") instead of PoE. The included combo port is available on both the -AC and -DC powered versions of the switch.

Caution: The optional SESP-2P-24V-CP provides secondary surge protection, but not primary or cross power protection. So if using this module to connect to items outside the switch enclosure, users must provide the primary or cross power protection.

Parts List

<u>Qty</u>	<u>DESCRIPTION</u>
1	TN Product Support Postcard
1	Manual, SESP-2P-24V-CP Option Quick Start Guide
1	Thermal Pad, 0.125 THK, M.2, PoE++ (in 2x3" Bag)
1	Screw, SEMS, M2.5 x 0.45 x 4mm, Zinc (in 2x3" Bag)
1	Packaging, 2 x 3, 2MIL Reclosable Poly Bag and one 3 x 5" 3MIL Ziplock Static Shield Bag
1	PCB Assembly, SESP-2P-24V-CP Module (in 3x5" Static Shield Bag)

Install Procedure

Caution: Passive PoE devices do not perform a signature detection / qualification check. You must know what PoE voltage your attached device requires before plugging in the Ethernet cable and powering it up. Do not connect the wrong voltage or you may cause permanent electrical damage to the attached device.

1. Install firmware version 3.0.1 (or later) on your SESP1040-541-LT-xx switch. **Note:** The 24V Passive PoE Module is not compatible with firmware versions earlier than 3.0.1.
2. Ensure the switch is powered off before installing the 24V Passive PoE Port Module.
3. See the *SESP1040-541-LT-xx Install Guide* for important Cautions and Warnings.
4. Unpack the kit and verify the contents prior to sending to the install site.
5. Install provided Thermal Pad over the gold squared area directly under the module on the PCB.
6. Insert gold fingers of the 24V Passive PoE Port Module into M.2 socket on the switch board.
7. Secure the 24V Passive PoE Port Module by inserting SEMS screw and tightening gently.
8. Connect an Ethernet cable to the RJ-45 jack to use for providing passive PoE over a 10/100/1000Base-T port. Passive PoE Port module use pins 4 and 5 for the positive PoE voltage polarity and pins 7 and 8 for the negative voltage polarity. Alternatively, insert an SFP module into the top SFP cage on the switch board to use as a 100/1000Base-X port (no passive PoE is provided over fiber).

- 24VDC power from the module is off by default to avoid sending power to connected devices not requiring power (always be aware of connected devices and their ability to accept power). Once enabled, power to the connected 24V device remains active during switch reboot. If the connected device is later removed, user should manually disable the port in the UI or CLI to prevent future devices from being connected and powered without consent.
- Refer to the switch and the attached device documentation for important information such as safety and compliance, install requirements, package contents, hardware, mounting, LED and port descriptions, grounding, powering, software installation and operation, and troubleshooting. Refer to the SESP-2P-24V-CP Option Install Guide for Web User Interface and CLI management information.

SESPM-2P-24V-CP Installed:



Troubleshooting

- Ensure that firmware version 3.0.1 (or later) is installed on your SESP1040-541-LT-xx switch. The 24V Passive PoE Module is not compatible with firmware versions earlier than 3.0.1. If you have downgraded from 3.0.1 to an earlier firmware version, you must also power cycle the switch to disable previously enabled passive PoE.
- Make sure the switch is operating properly and that Passive PoE has been enabled through the web UI or CLI.
- Ensure proper seating of the gold fingers of the 24V Passive PoE Module in the M.2 socket on switch board.
- Make sure that the Ethernet cable is good (if using as a 10/100/1000Base-T port providing 24V passive PoE). Passive PoE Port module use pins 4 and 5 for the positive PoE voltage polarity and pins 7 and 8 for the negative voltage polarity.
- Make sure the SFP and fiber cable are good (if using as a 100/1000Base-X port - no passive PoE provided over fiber).
- Verify the attached PD is receiving power from the 24V Passive PoE Module or is receiving data over the fiber connection. See the SESP-2P-24V-CP Option Install Guide for CLI Commands and Web User Interface operation.
- Record any operating details (LEDs flashing, etc.).
- Contact Transition Networks Technical Support.

Related Information

For Transition Networks Drivers, Firmware, etc. go to the [Product Support webpage](#) (logon required).

For Transition Networks Manuals, Brochures, Data Sheets, etc. go to the [Product Resources page](#) (no logon required).

Contact Us

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