SPL-24 Series

PoE splitters

Features and Benefits

- IEEE 802.3af compliant; splits power and data from PoE equipment
- Supports output power up to 12.95 W at 24 VDC
- Short-circuit protection for power output
- -40 to 75°C operating temperature range (-T model)
- DIN-rail mounting ability

Certifications

Introduction

The main benefit of PoE is that it can transfer data and power to Ethernet-enabled devices using a standard Ethernet CAT5 cable. Moxa's SPL-24 PoE splitters perform the role of powered devices (PDs) and split power from the injector to Ethernet devices. When using Moxa's devices, power and data can be transmitted up to 100 meters (328 feet) from the power source equipment (PSE).

The standard model in can operate in temperatures from 0 to 60°C (32 to 140°F) and the wide-temperature model can operate in temperatures from -40 to 75°C (-40 to 167°F). In addition, the rugged hardware means that these devices will perform reliably even when used in demanding industrial applications.

Specifications

Ethernet Interface	
10/100BaseT(X) Ports (RJ45 connector)	1 Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
PoE Ports (PD), 10/100BaseT(X), RJ45 Connector	1 Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed
Standards	IEEE 802.3af for PoE IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X)

Power Parameters	
Operating Voltage	44 to 75 VDC (PoE)
Overload Current Protection	Supported
Output Voltage Rating	24 VDC
Output Power Rating	12.95 W (max.)
Connection	1 removable 3-contact terminal block(s)

Physical Characteristics

Dimensions	24.9 x 100 x 86.2 mm (0.98 x 3.93 x 3.39 in)
Installation	DIN-rail mounting
IP Rating	IP30
Weight	95 g (0.21 lb)

Environmental Limits

Operating Temperature	SPL-24: 0 to 60°C (32 to 140°F) SPL-24-T: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

Safety	UL 60950-1
EMC	EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Signal: 2 kV IEC 61000-4-5 Surge: Signal: 1 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Freefall	IEC 60068-2-31
Shock	IEC 60068-2-27
Maritime	DNV-GL, ABS, LR, NK
Vibration	IEC 60068-2-6

MTBF

Time	5,104,703 hrs
Standards	MIL-HDBK-217F

Warranty

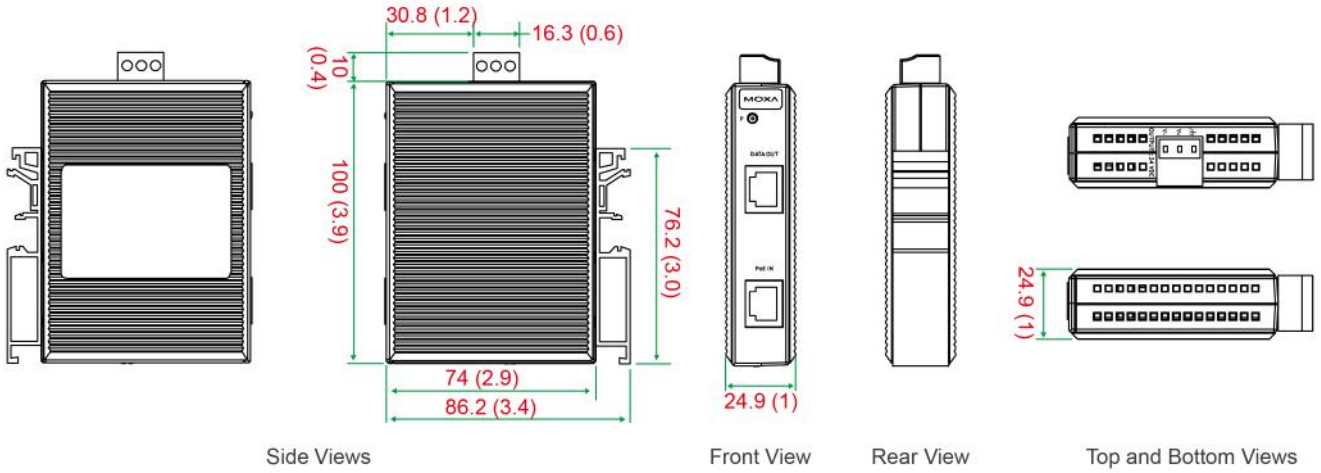
Warranty Period	5 years
Details	See www.moxa.com/warranty

Package Contents

Device	1 x SPL-24 Series PoE splitter
Documentation	1 x quick installation guide 1 x product certificates of quality inspection, Simplified Chinese 1 x product notice, Simplified Chinese 1 x warranty card

Dimensions

Unit: mm (inch)



Side Views | Front View | Rear View | Top and Bottom Views

Ordering Information

Model Name	Operating Temp.
SPL-24	0 to 60°C
SPL-24-T	-40 to 75°C

Accessories (sold separately)

Power Supplies

DR-120-24	120W/2.5A DIN-rail 24 VDC power supply with universal 88 to 132 VAC or 176 to 264 VAC input by switch, or 248 to 370 VDC input, -10 to 60°C operating temperature
DR-4524	45W/2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 50° C operating temperature
DR-75-24	75W/3.2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 60°C operating temperature
MDR-40-24	DIN-rail 24 VDC power supply with 40W/1.7A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to 70°C operating temperature
MDR-60-24	DIN-rail 24 VDC power supply with 60W/2.5A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to 70°C operating temperature

Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit