

Unmanaged Hardened 1x4 PoE++ Splitter

(1) 10/100/1000Base-T(X) PoE++ Port to (4) 10/100/1000Base-T(X) PoE/PoE+ Ports

The SI-IES-540-LRT-PD is a PoE-powered splitter that also acts as a power sourcing device (PSE) for up to 4 additional PoE-powered devices (PDs). It can be used to power security cameras, VoIP phones, card readers, controllers, access points and more. It is also ideal for optimizing IEEE 802.3bt switch ports in applications such as PoE lighting, which require high power for the lighting but include other lower-power devices such as sensors. Connecting the splitter to one 60 or 90W switch port allows it to power up to four sensors or other devices, reducing the amount of cabling needed as well as the number of switch ports required, decreasing total overall cost while maximizing the power budget of the switch. Although the splitter is an unmanaged device, power to the connected PDs can be remotely "reset" by briefly power cycling the splitter or the switch port to which the splitter is connected.



Key Features

- Supports IEEE 802.3af/at/bt
- 10/10/1000 data transmission
- Non-blocking architecture
- Compact size
- IP30 housing
- Auto MDI/MDI-X function
- Auto Negotiation
- Full/half duplex
- Reverse Polarity Protection
- Overload Current Protection
- Extended operating temperature (-40°C to +75°C)
- DIN Rail or Wall Mount

Applications

- Maximize PoE Switch Ports
- Extend Data & Power to Edge Devices:
 - Sensors
 - Card Readers
 - Security Cameras
 - Wireless Access Points

Markets

- Enterprise
- Security & Surveillance
- PoE Lighting/Smart Building/
Building Automation
- Utilities

Specifications

Standards	• IEEE 802.3 10Base-T Ethernet • IEEE 802.3u 100Base-TX Fast Ethernet • IEEE 802.3ab 1000Base-T Gigabit Ethernet • IEEE 802.3af PoE • IEEE 802.3at PoE+ • IEEE 802.3bt PoE++ • IEEE 802.3x Flow Control and Back Pressure
Connectors	• 1x 10/100/1000 Mbps RJ-45 with IEEE 802.3bt IN • 4x 10/100/1000 Mbps RJ-45 with IEEE 802.3af/at OUT
Jumbo Frame	• 9KB
MAC Address Table Size	• 2K
Protocol	• CSMA/CD
LEDs	• PWR (Amber): ON = power is detected • bt (Green): ON = IEEE 802.3bt PoE++ Input is detected • POE (Amber): ON = PSE is activated, and PD is detected • LNK/ACT (Green): ON = TX port is detected; FLASHING = TX data is transmitting/receiving
Power Input	• IEEE 802.3bt 90W
Power Output	• 30W/60W; Max total power output 60W
Power Consumption	• 3.9W (without PoE load)
Ingress Protection	• IP30
Dimensions	• Width: 32 mm (1.26 in.) • Depth: 81.5 mm (3.21 in.) • Height: 103.5 mm (4.075 in.)
Mounting	• DIN, Wall
Environment	• Operating Temp -40°C to +75°C • Storage Temp -40°C to +85°C • Humidity 5% to 95% (Non-condensing)
MTBF	• >500,000 hours [Telcordia (Bellcore), GB] at 50°C
Certifications	• CE/UKCA, FCC • EMI: CISPR 32, FCC Part 15B Class A • EMS: - IEC61000-4-2 (ESD): Contact 6KV; Air 8KV - IEC61000-4-4 (EFT): Power 2KV; Signal 2KV - IEC61000-4-5 (Surge): Power 2KV; Signal 2KV • EN60068-2-6 (Vibration) • EN60068-2-27 (Shock) • EN60068-2-32 (Free Fall)
Warranty	• 5 years

Ordering Information

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