

POE1AT Single-Port IEEE802.3at Midspan

GIGABIT HIGH POWER OVER ETHERNET

Product Features

- Fully 802.3at Compliant Detection, Disconnect, Over Voltage, and Current Protection
- 30 W Output
- Full Protection
 - Over Current Protection (OCP)
 - Over Voltage Protection (OVP)
- Diagnostic LEDs
- Gigabit Compatibility
- Nonvented Case



The **POE1AT** Power over Ethernet (PoE) single-port midspan is designed to meet the demanding data rate and power requirements of IP cameras with high-quality streaming video capabilities. The PoE+ single-port midspan offers total output power of 30 W, and meets the IEEE802.3at standard for detection, connection, disconnection, and fault protection.

The **POE1AT** AC input voltage range is 90 to 264 VAC. Maximum input current is 0.8 A (RMS) at 120 VAC; 0.55 A (RMS) at 240 VAC.



by Schneider Electric

International Standards
Organization Registered Firm;
ISO 9001 Quality System



C3961 / NEW 9-13-13

TECHNICAL SPECIFICATIONS

MODELS

POE1AT-US	Single-port PoE+ midspan with US power cord
POE1AT-EU	Single-port PoE+ midspan with European power cord

ELECTRICAL

Input

Input Voltage Rating	90 to 264 VAC
AC Input Current	0.8 A (RMS) maximum at 120 VAC; 0.55 A (RMS) maximum at 240 VAC
Leakage Current	350 μ A maximum
AC Input Frequency	47 to 63 Hz
AC Inrush Current	60 A maximum at 240 VAC and maximum load

Output

Output Power	30 W
Efficiency	80% (typical) at maximum load; 120 VAC, 60 Hz
Hold-Up Time	10 milliseconds minimum; 120 VAC, 60 Hz and maximum load
Transient O/P Voltage Protection	60 V maximum at switch on and off at any AC line phase
Isolation (HI-POT)	Primary to Secondary: 1,500 VAC for 1 minute, 10 mA
Insulation Resistance	Primary to Secondary: >10 Mohm at 500 VDC
Over Voltage/Current, Short Circuit Protection	The output is equipped with short-circuit protection and overload protection according to the IEEE802.3at specification and conforms to UL60950-2; the output can be shorted permanently without damage

Connection

AC Input Connector	IEC320 inlet 3-pin (C14)
Output Connection	
+pins	3, 6
-pins	1, 2
Data IN/OUT Connector	RJ-45

FRONT PANEL INDICATORS/FUNCTIONS

Status LED Color	Description
Blinking Green	Powered ON and ready for connection
Solid Green	Valid IEEE802.3at load connected to OUT
Blinking Red/Green	Incorrect signature; invalid load connected
Solid Red	Overload indication

ENVIRONMENTAL


Operating Temperature	0° to 40°C (32° to 104°F)
Storage Temperature	-25° to 65°C (-13° to 149°F)
Maximum Humidity Gradient	5% to 90%
Immunity	
ESD	EN61000-4-2, Level 3
RS	EN61000-4-3, Level 3
EFT/Burst	EN61000-4-4, Level 2
Surge	EN61000-4-5, Level 3
CS	EN61000-4-6, Level 3
Voltage Dips	EN61000-4-11
Harmonic	EN61000-3-2 Class A

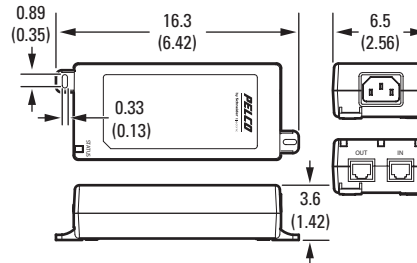
OPTIONAL ACCESSORIES

POE1XT	Single-Port PoE Gigabit Extender extends PoE 100 meters (328 feet) providing a single-port 802.3af output; refer to the POE1XT specification sheet for capabilities
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CERTIFICATIONS

- CE, EN55022 Class B
- FCC, Part 15, Class B
- UL/cUL Listed

 VALUES IN PARENTHESES ARE INCHES; ALL OTHERS ARE CENTIMETERS.



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