



30W Single Port Power over Ethernet Midspan IEEE802.3at Compliant Power Injector



Features

Compliant with IEEE802.3at Standard
Non-vented Case
Full Protection OVP, OCP
1 year warranty

Limited Power Source
Gigabit Compatible
Shielded RJ45

Applications

IP Telephones
Wireless Access Points
Bluetooth® Access Points

Security Cameras
IP Print Servers
WiMAX® Access Points

Safety Approvals

cUL/UL(60950)/(62368-1)
CB
CCC
BSMI
EAC
IRAM(TUV-s)

CE(IEC60950-1)/(IEC62368-1)
RCM
NOM/NYCE
PSB
KC+KCC
BIS

Mechanical Characteristics

Length: 140mm (5.51in.)
Width: 65mm (2.55in.)

Height: 36mm (1.42in.)
Weight: 0.22Kg (7.76oz)

Output Specifications

Model	AC Input	DC Output Voltage	Load		Regulation	
			Min.	Max.	Line	Load
POE29U-1AT(PL)D-R	Three Wire	56V	10mA	536mA	54-57V	

POE29U-1AT(PL)D-R Characteristics¹**INPUT:****AC Input Voltage Rating**

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Current

0.8A (RMS) maximum at 120VAC

0.55A (RMS) maximum at 240VAC

AC Input Frequency

47 to 63Hz

Leakage Current

3.5mA max

Max In-rush Current

60A max at 240VAC and max load (Cold Start at ambient 25°C)

OUTPUT:**Output Power**

30W

Hold up Time

10mSec min at max load at 120VAC, 60Hz

Efficiency²

80% Typical at max load at 120VAC, 60Hz

ENVIRONMENTAL:**Temperature**

Operating -20°C to +50°C

Non-operating -20°C to +70°C

Relative Humidity 5 to 90%

EMI

Complies with EN55032 Class B

Complies with FCC part 15 Class B

EMC

ESD: IEC61000-4-2 , Level 3

RS: IEC61000-4-3, Level 3

EFT/Burst: IEC61000-4-4, Level 2

Surge: IEC61000-4-5, Level 3

CS: IEC61000-4-6 , Level 3

Voltage Dips: IEC61000-4-11

Harmonic: IEC61000-3-2, Class A

Isolation (HI-POT)

Primary to secondary: 1500VAC for 1 minute, 10mA

Insulation Resistance

Primary to secondary: 10M Ohm 500VDC

FEATURES:**OCP/OVP/Short Circuit Protection**

OCP: ≤750mA Max

OVP: Latching

Short Circuit: The output can be shorted permanently without damage. Non-latching auto recovery.

Indicator*Solid Green:* unit has detected a

IEEE802.3at or af load/PD

Blinking Green: Power “ON” ready for connection*Fast Blinking Amber/Green:* Invalid load connected*Slow Blinking Amber/Green:* fault**AC Input Connector**

IEC320 C14 - three wire

Output Connection

+pins 3,6 / -pins 1,2

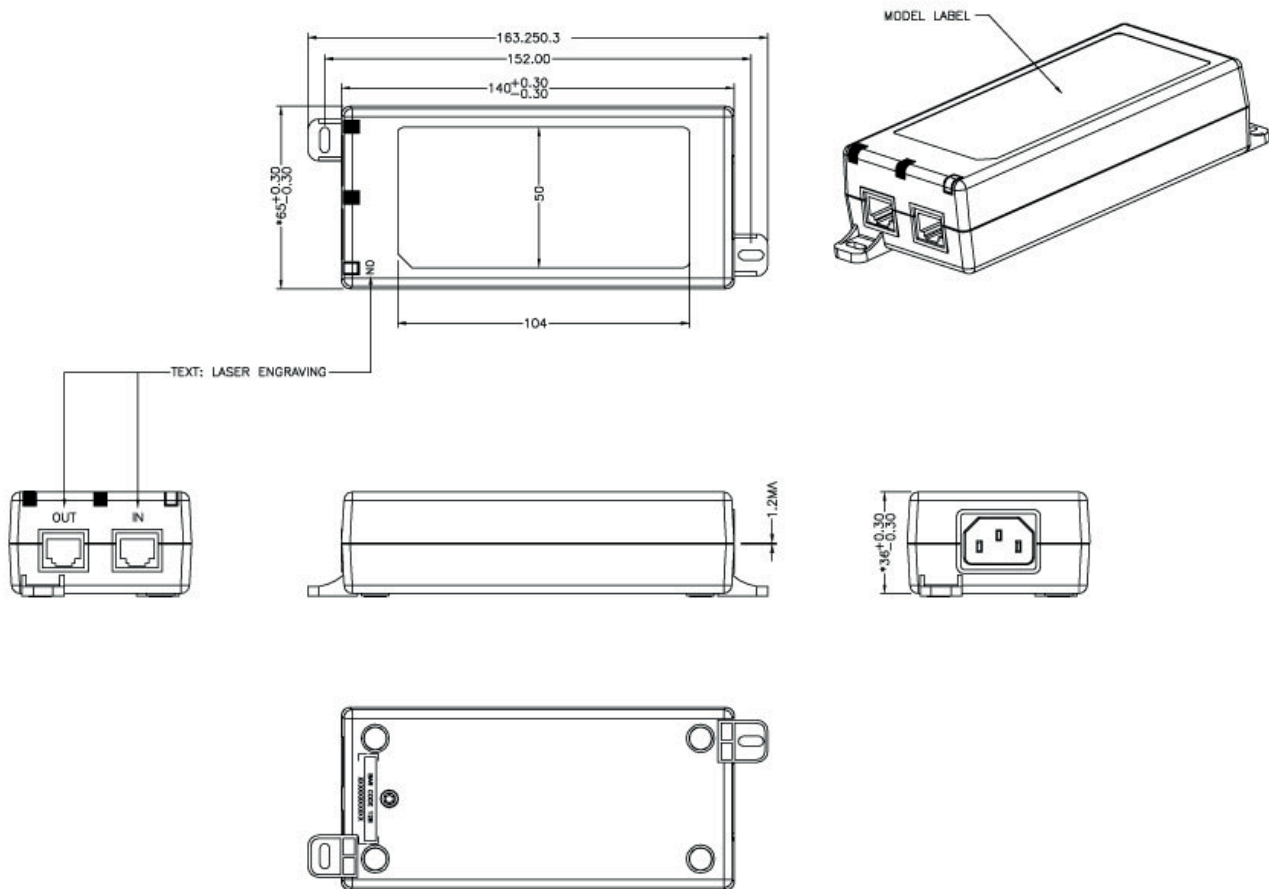
Data IN/POE OUT Connector

Shielded RJ45

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30minutes burn-in

Dimensional Diagram Unit: mm



For more information please contact us.

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Version 01.03