

### 19.6W Single Port Power over Ethernet Midspan IEEE802.3af Compliant Power Injector



#### Features

- Compliant with IEEE802.3af Standard
- Non-vented Case
- Full Protection OVP, OCP
- Limited Power Source
- Gigabit Compatible
- 1 Year Warranty

#### Applications

- IP Telephones
- Wireless Access Points
- Bluetooth® Access Points
- Security Cameras
- IP Print Servers
- WiMAX® Access Points

#### Safety Approvals

- CE
- cUL/US

#### Mechanical Characteristics

- Length: 140mm (5.51in.)
- Width: 65mm (2.55in.)
- Height: 36mm (1.42in.)
- Weight: 0.2Kg (7.58oz)

#### Output Specifications

Model	AC Input	DC Output Voltage	Load		Regulation	
			Min.	Max.	Line	Load
IN1005PH U-1AT	Three Wire	56V	10mA	350mA	±5%	
IN1005PH W-1AT	Two Wire	56V	10mA	350mA	±5%	

### IN1005PH Characteristics

#### 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

U Model - 350uA maximum

W Model - 250uA maximum

##### Max In-rush Current

60A maximum at 240VAC and maximum load

(Cold Start at ambient 25°C)

#### OUTPUT:

##### Output Power

19.6W

##### Hold up Time

10mSec minimum at maximum load at 120VAC, 60Hz

##### Transient O/P Voltage Protection

60V maximum at switch on/off at any AC line phase

##### Efficiency

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

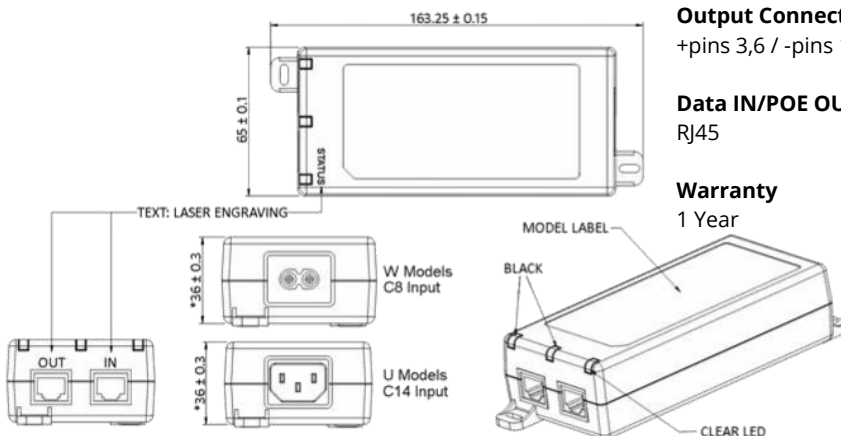
##### Environment

Operating Temperature 0 to +40°C

Non-operating Temperature -20 to +65°C

Relative Humidity 5 to 90%

#### Dimension Diagram Unit: mm



#### EMI

EN55022 Class B

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:

##### Cisco

No extern parts required for Legacy devices:

VoIP Phones: 7910, 7912, 7940, 7960

Access Points: 1040, 1140, 1250, 1260, 3500

#### Over Voltage/Current, Short Circuit Protection

The output is equipped with short-circuit protection and overload protection as per the IEEE 802.3af specification and conforms to UL60950-2. The output can be shorted permanently without damage.

#### Indicator

Solid Green: Valid IEEE802.3af load detected and connected "ON"

Blinking Green: Power "ON" ready for connection

Blinking Red/Green: Invalid load connected

Blinking Red: fault

#### AC Input Connector

U models - IEC320 inlet 3-pin C14

W models - IEC320 inlet 2-pin C8

#### Output Connection

+pins 3,6 / -pins 1,2

#### Data IN/POE OUT Connector

RJ45

#### Warranty

1 Year