



Single Port 15.4W Power over Ethernet Interchangeable* Wall Plug Adapter



*Plugs sold separately

Features

- DOE Level VI Compliant
- Fully Compliant with IEEE802.3af
- Non-Vented Case
- Field Interchangeable AC Clips*
- Limited Power Source (LPS)
- 1G and 2.5G Data Speed Options
- Low Cost
- Full Protection OCP, OVP
- Diagnostic LEDs
- 1 Year Warranty
- Australian GEMS Registered

Applications

- IP Telephones
- Wireless Network Access Points
- Blue Tooth Access Points
- Security Cameras
- IP Print Servers

Safety Approvals – varies per model

- cUL/UL 62368-1
- AS/NZS 62368.1
- IEC 62368-1

Mechanical Characteristics

- Length: 80mm (3.15in)
- Width: 45mm (1.77in)
- Height: 33mm (1.30in)
- Weight: 114g (4.0oz.)

Output Specifications

Model	DC Output Voltage	Load		Output Power	Data Speed	Regulation	
		Min.	Max.			Line	Load
POE16R-1AFG6-R ¹	56V	10mA	0.275A	15.4W	1G	+1V/-2V	
POE16R-1AFG6-2-R	56V	10mA	0.275A	15.4W	2.5G	+1V/-2V	

Notes:

1. Special order item. Minimum order quantity applies.

INPUT:**AC Input Voltage Range**

90 to 264VAC

AC Input Voltage Rating

100 to 240VAC

AC Input Current

0.55A (RMS) max for 90VAC

0.35A (RMS) max for 240VAC

Leakage Current

0.5mA max @ 254VAC/50Hz

AC Input Frequency

47-63Hz

AC Inrush Current

30A (RMS) max for 115VAC

60A (RMS) max for 230VAC

OUTPUT:**Total Output Power**

15.4W

Ripple and Regulation²

200mV max, 115VAC/60Hz and

230VAC/50Hz

Efficiency³

DOE Level VI

Australian GEMS

Transient O/P Voltage Protection

60V max at switch on/off, any AC line phase

ENVIRONMENTAL:**Temperature**

Operation -20 to +45°C

Non-operation -20 to +75°C

Humidity 5 to 90%

EMC

Complies with FCC Part 15 Class B

Complies with EN55032 Class B

Complies with AS/NZS CISPR 32 Class B

Immunity

Harmonic: EN61000-3-2 Class A

ESD: EN61000-4-2. Contact 6KV
Air 8KV. Criteria B

RS: EN61000-4-3. 3V/M

EFT: EN61000-4-4. 1KV input
0.5KV outputSurge: EN61000-4-5. L-N 1KV
L-G 2KV

CS: EN61000-4-6. 3V

Voltage Dips EN61000-4-11 Class 3

Dielectric withstand (HI-POT)

4242VDC for 1 sec, 10mA, 4 sec ramp time

Insulation Resistance

Primary to Secondary: >10M OHM 500VDC

FEATURES:**Over Current Protection**

≤450mA

Over Voltage Protection

< 120VDC – Latching.

Short Circuit Protection

300-450mA for 50-75ms

Hold-up Time

16mS min. 120VAC/60Hz and max load

Data in/Output Connector

RJ45

Output Connection

+pin 3,6 / -pins 1,2

Warranty

1 Year

Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20Mhz (tested by oscilloscope). 20 minutes warm-up required when operating at negative temperature.
3. Efficiency is measured after 30 minutes burn-in

LED Indicators

Bicolor LED GREEN/YELLOW

Blinking GREEN – Unit is “ON” Active with No Load

Solid GREEN – Unit has detected a Valid IEEE802.3af Load

Blinking YELLOW/GREEN – Unit has detected an Invalid Load

Blinking YELLOW – Unit is in Over Load/Short Condition

AC Input Clips (sold separately)

RPA– AB01B-H: US

RPB–AB01B-H: Brazil

RPC– AB01B-H: China

RPE– AB01B-H: Europe

RPH – AB01B-H: Korea

RPI– AB01B-H: India

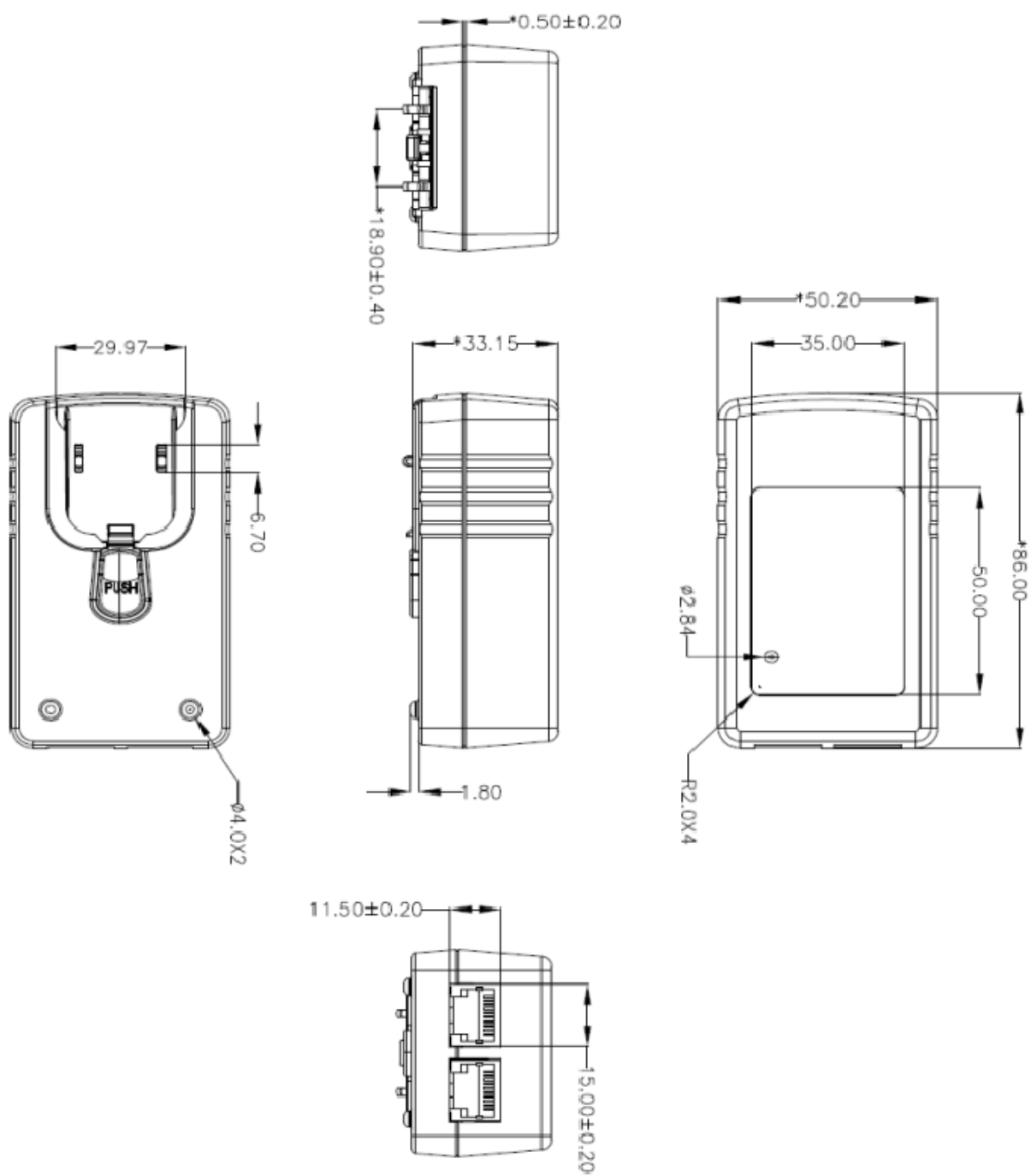
RPK– AB01B-H: UK

RPN – AB01B-H: Argentina

RPS – AB01B-H: Australia

RPBAG – AB01B-H: RPA-AB01B-H, RPE-AB01B-H, RPK-AB01B-H and RPS-AB01B-H

Dimensional Diagram Unit: mm





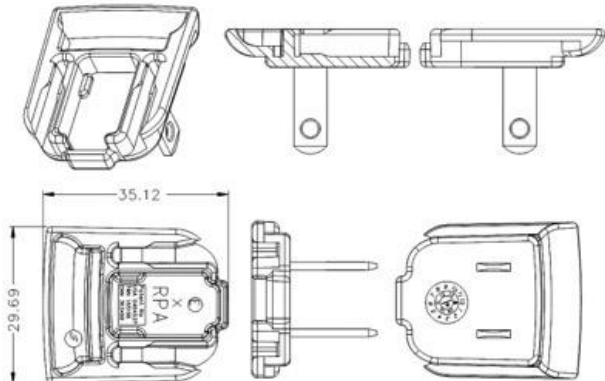
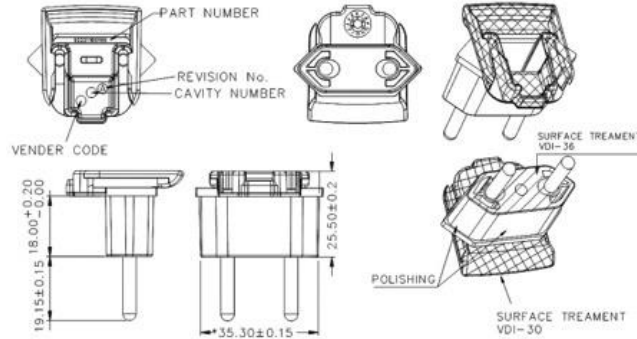
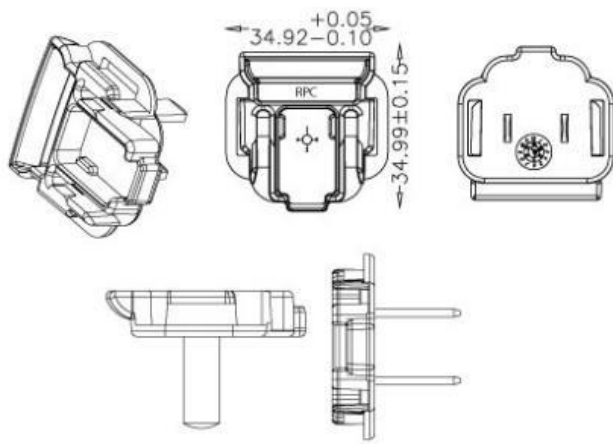
Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

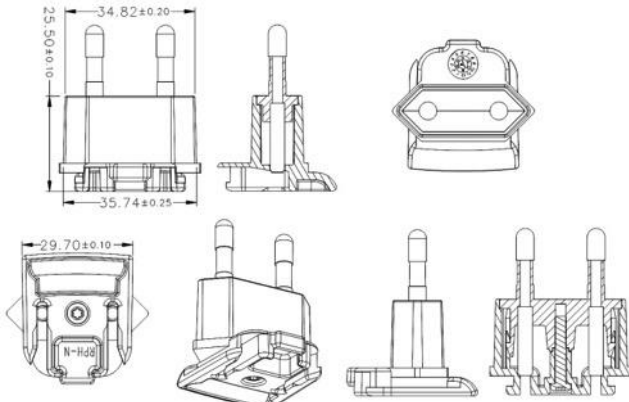
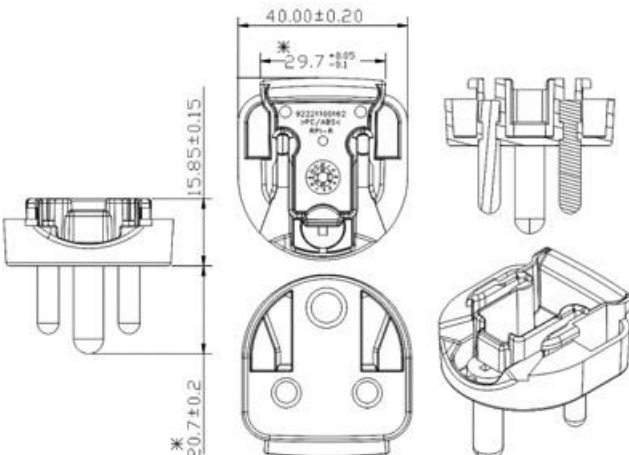
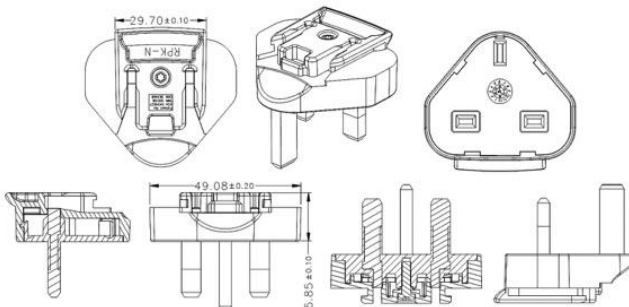
Phihong USA Corporation
47800 Fremont Boulevard
Fremont, CA 94538
Telephone: (510) 445-0100
www.phihong.com

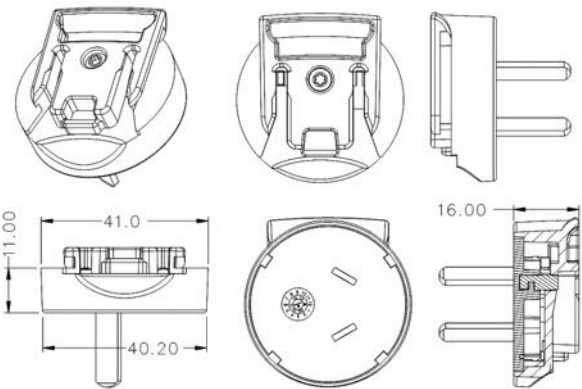
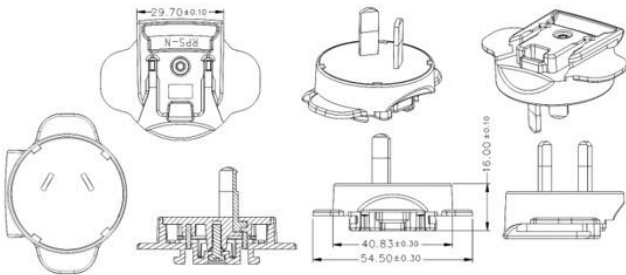
This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



AC Input Clips – Sold Separately

Model	Photo	Description	Outline Drawing - mm
RPA-AB01B-H		US Clip	
RPB-AB01B-H		Brazil Clip	
RPC-AB01B-H		China Clip	

Model	Photo	Description	Outline Drawing - mm
RPH-AB01B-H		Korea Clip	
RPI-AB01B-H		India Clip	
RPK-AB01B-H		UK Clip	

Model	Photo	Description	Outline Drawing – mm
RPN-AB01B-H		Argentina Clip	
RPS-AB01B-H		Australia Clip	
RPBAG-AB01B-H	RPA-AB01B-H, RPE-AB01B-H, RPK-AB01B-H and RPS-AB01B-H interchangeable clips in a plastic bag. 		

Mouser Electronics

Authorized Distributor

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[POE16R-1AFG6-2-R](#)