

TECHNICAL DATASHEET

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



\*Plugs sold separately

## Applications

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

## Features

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

## Safety Standards



## Dimension

80 x 45 x 33 mm

(3.15 x 1.77 x 1.30 inch)

## Safety Approvals – varies per model

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

## Output Specifications

Model	DC Output Voltage	Load		Output Power	Data Speed	Regulation	
		Min.	Max.			Line	Load
POE16R-1AFG6-R <sup>1</sup>	56V	10mA	0.275A	15.4W	1G	+1V/-2V	
POE16R-1AFG6-2-R	56V	10mA	0.275A	15.4W	2.5G	+1V/-2V	
Note	1. Special order item. Minimum order quantity applies						

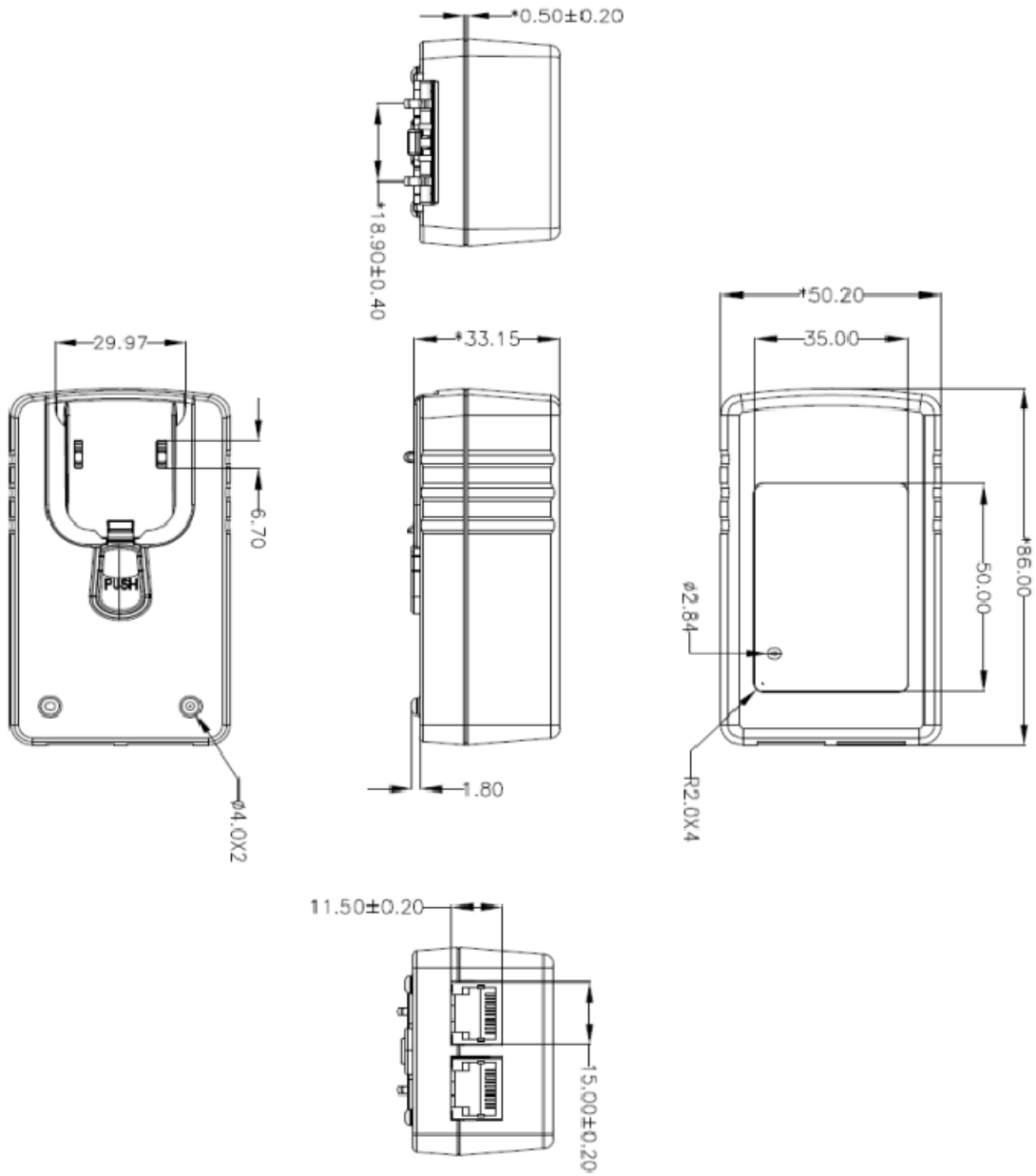
## Specifications

### POE16R-1AFGyyy-R Characteristics<sup>1</sup>

Model		POE16R-1AFG6-R <sup>1</sup> POE16R-1AFG6-2-R
Output	Total Output Power	15.4W
	Ripple and Regulation <sup>2</sup>	200mV max, 115VAC/60Hz and 230VAC/50Hz
	Efficiency <sup>3</sup>	DOE Level VI Australian GEMS
	Transient O/P Voltage Protection	60V max at switch on/off, any AC line phase
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 for 254VAC/50Hz
	AC Input Frequency	47-63Hz
	AC Inrush Current	30A (RMS) max for 115VAC 60A (RMS) max for 230VAC
Environmental	Temperature	Operating -20°C to +45°C
		Non-Operating -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 output Surge: 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
	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 RPX-03-R: C8 Clip
Mechanical	Dimensions (L x W x H)	80mm (3.15in) x 45mm (1.77in) x 33mm (1.30in)
	Weight	114Kg (4.0 oz)
Note	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	

# Dimension Diagram Unit: mm



## 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	
RPH-AB01B-H		Korea Clip	
RPI-AB01B-H		India Clip	

<p>RPK-AB01B-H</p>		<p>UK Clip</p>	
<p>RPN-AB01B-H</p>		<p>Argentina Clip</p>	
<p>RPS-AB01B-H</p>		<p>Australia Clip</p>	
<p>RPX-03-R</p>		<p>C8 Clip</p>	
<p>RPBAG-AB01B-H</p>	 <p>RPA-AB01B-H, RPE-AB01B-H, RPK-AB01B-H and RPS-AB01B-H interchangeable clips in a plastic bag.</p>		

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