

RADWIN

2.5Gbps AC POE

Datasheet



RW-9921-400X Series

Product Description

- » Indoor AC POE device for RADWIN radios
- » Up to 2.5Gbps Ethernet interface
- » 56Watts POE power output

Product Highlights

- » Carrier class POE injector
- » Supports up to 2.5GBASE-T Ethernet
- » Safety and EMC Certified for FCC/CE
- » Short Circuit and Overcurrent output protection
- » Standard IEC320 C6 AC inlet
- » Country specific AC cable is bundled per PN

Product Specifications:

Output	
DC Output Voltage – Rated	53-57V
POE scheme	4-pair passive POE (positive wires: 1,2,4,5, negative wires: 3,6,7,8)
DC Current per wire pair	250mA
Rated Power	56W
Output Ripple	Less than 500mV
LED Status Indicator	Power, Active
Input	
Voltage Range (Max)	90Vac to 264VAC
Frequency Range (Max)	47-63 Hz
Efficiency (Typical)	>85%
AC Current (Max)	Max 1300mA @ 90Vac
Inrush Current (Max)	150A/ 240VAC
Leakage Current (Max)	0.25mA (At nominal AC input voltage)
Protections	
Output Overcurrent	Limited between 1300 ~ 2000mA
Output Short Circuit	Supported
Electrostatic discharge	Direct discharge: ±6kV, Air discharge: ±10kV
Environmental	
Operating Temperature	-20°C to +70°C (-4°F to 158°F)
Humidity	0% ~ 95% RH non-condensing
Vibration	IEC publ. 68-2-6 (Non-Operational)
Other	
Dimension	138.5*62.5*32.3mm (L*W*H)/ 5.45*24.6*12.7"
Weight	240g / 8.5oz

Regulatory compliance:

Safety	
Safety Standards	EN/IEC 62368-1; UL/CAN/CSA 60950-1; BIS 13252; GB4943.1
EMC	
Emission	EN 55032; EN 55024; CISPR 32; CISPR 24; GB17625.1; GB/T9254 FCC Part15 Subpart B, Class B
Other	
MTBF	50khrs min. MIL-HDBK-217F @ 25 Deg C

Product ordering:

Product Number	Name/Description	Plug type Details*
RW-9921-4001	2.5Gbe 56W AC POE, 0.6m EU power cable	Type E (EU) 3 pin plug
RW-9921-4002	2.5Gbe 56W AC POE, 0.6m USA power cable	Type B (North/Central America) 3 pin plug
RW-9921-4003	2.5Gbe 56W AC POE, 0.6m UK power cable	Type G (UK) 3-pin plug
RW-9921-4004	2.5Gbe 56W AC POE, 0.6m India power cable	Type D (India) 3-pin plug
RW-9921-4005	2.5Gbe 56W AC POE, 0.6m China power cable	Type I (China) 3 pin plug
RW-9921-4006	2.5Gbe 56W AC POE, 0.6m OC power cable	Open connector
RW-9921-4007	2.5Gbe 56W AC POE, 0.6m Argentina power cable	Type I (Argentina) 3-pin plug
RW-9921-4008	2.5Gbe 56W AC POE, 0.6m SA power cable	Type M (South Africa) 3-pin plug
RW-9921-400A	2.5Gbe 56W AC POE, 0.6m Australia power cable	Type I (Australia) 3-pin plug
RW-9921-400B	2.5Gbe 56W AC POE, 0.6m Brazil power cable	Type N (Brazil) 3-pin plug
RW-9921-400C	2.5Gbe 56W AC POE, 0.6m Chile power cable	Type L (Chile) 3-pin plug
RW-9921-400J	2.5Gbe 56W AC POE, 0.6m Japan power cable	Type B (Japan) 3-pin plug
RW-9921-400Z	2.5Gbe 56W AC POE, 0.6m Israel power cable	Type H (Israel) 3 pin plug

*Plug types are according to IEC information that can be found at www.iec.ch/worldplugs/

Mechanical information:

The product has two fixing lugs as shown in the diagram below.

