

Rugged Lightning Protection Unit (R-LPU)

QUICK LOOK:

- Designed for tactical deployment
- IP66/67-rated ruggedized enclosure
- Power over Ethernet (PoE) passthrough from 40V up to 60V @ 2.5 A
- Ruggedized mechanics and cabling for harsh environments and environmentally sealed for horizontal or vertical operation
- Compatible with PTP 700 MIL-STD Radios



The PTP 700 Wireless Broadband solutions are ruggedized to operate in the toughest environments. The Rugged Lightning Protection Unit (R-LPU) is designed to protect PTP 700 series radios from the harmful effects of surge currents caused by nearby lightning strikes. Lightning strikes are the most typical cause of system outages or failures of mast-mounted equipment, especially when mounted as high as 300m. The high-speed, high-current, solid-state device is enclosed in a rugged metal enclosure to protect against high winds and the elements.


The R-LPUs are available in two configurations, using an Amphenol 38999 (dual-Ethernet) or RJFTV (single-Ethernet) connector receptacle.

KEY FEATURES

- IP66/67 rated ruggedized enclosure
- Available in black, desert tan or green
- Lightweight aluminum packaging of less than 2 lb
- Compatible with PTP 700 MIL-SPEC radios
- Designed for tactical operators
- Ruggedized mechanics and cabling for harsh environments and environmentally sealed for horizontal or vertical (connectors downward facing) operation
- External ground point or grounding through chassis mount

Ruggedized Lightning Protection Unit (R-LPU)

General Specifications

Product Name	Cambium Networks Rugged Lightning Protection Unit (R-LPU)	Surge Current Rating	Wires 1.8 (aggregate) common-mode 172A @ 10/1000 μ s
Model Number	RJFTV Model: CK-RLPUB02B-WW Black CK-RLPUG02B-WW Green CK-RLPUT02B-WW Desert tan 38999 Model: CK-RLPUB03B-WW Black CK-RLPUG03A-WW Green CK-RLPUT03A-WW Desert tan	Mounting	4 direct bolts, 10–32 (M5x.8) fasteners
Physical Dimensions	151 x 99 x 63 mm (6.0 x 3.9 x 2.5 in), excluding connectors	Environmental	IP66/67, MIL-STD-810
Weight	1.6 lb (0.72 kg)	Operational Temp	-40°C to 60°C (-40°F to 140°F)
Communications	10/100/1000 Mbps Ethernet	Survival Temp	-40°C to 70°C (-40°F to 158°F)
Material Finish	Aluminum with stainless steel hardware, black, green (AMS-STD-595A, 34094) or desert tan (AMS-STD 595A, 33446) color coating		
Power Pass-through	40V – 60VDC @ 100W over 4 pairs (1.25A per pair)		
Data Connectors	Single-Ethernet RJFTV Model: Line In: RJ-45 through PG16 cable gland (cable gland not included) Line Out: Amphenol RJFTV21G receptacle, Amphenol RJFTV6MG plug (plug not included) Dual-Ethernet 38999 Model: Line In: Amphenol D38999 receptacle Amphenol D38999 plug (plug not included) Line Out: Amphenol D38999 Receptacle Amphenol D38999 plug (plug not included)		

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Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We deliver connectivity that just works.