RF-7800W-IU31X

Rack Mount Network Interface Unit

MECHANICALS	
Dimensions	3.5 H x 17.5 W x 17 D in (8.9 H x 44.4 W x 43.2 D cm)
Weight	15 lbs (6.8 kg)

Connectors	Ethernet port
	Four copper Ethernet ports with PoE
	One dual-optical fiber Ethernet port
	    Tyco Electronics ProBeam Jr. connector
	    Duplex, Single mode, 1310 nm wavelength
	One AC input port
	Three DC output ports
	Console port
	Audio handset/headset port
	One 26.5 VDC output port

LED Indicators	Power, EOW, Antenna Alignment
Mounting	Two rack units (2U) of a standard 19" rack
Color	RF-7800W-IU310 (green) RF-7800W-IU311 (tan)

ELECTRICAL	
Input Power	AC: 85 VAC to 265 VAC inclusive, 47 Hz to 63 Hz AC: less than 410 W with a full output load
Output Power	350 W output power across all ports
DC Output Power	Three external 56 VDC Output Ports
EMI/EMC	MIL-STD-461G

ENVIRONMENTAL	
Altitude	MIL-STD-810G
Temperature	MIL-STD-810G high temperature storage at 158°F (70°C) MIL-STD-810G, high temperature operation at 131°F (55°C), providing 280W max continuous DC power output, with 1U of free space both above and below the NIU MIL-STD-810G low temperature storage at -40°F (-40°C)
Relative Humidity, Sand and Dust, Dripping Water, Shock & Vibration	MIL-STD-810G

Note: NIU mounted in a horizontal orientation and are not applicable if the NIU is mounted on its side, front, back, or upside-down.

The L3Harris RF-7800W-IU31X Rack Mount Network Interface Unit (NIU) is a two-rack unit system that is AC powered. The IU31X has three 100 W DC ports and PoE to power RF-7800W radios and accessories, while also including an Ethernet port supporting connection to other units. This rackmounted solution is ideal for shelter installations and includes an embedded SIP call manager and auto-link redundancy if the primary link should go down.

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INTERFACE	
Copper Ethernet	10BASE-T, 100BASE-TX and 1000BASE-T Ethernet on all copper Ethernet ports
	PoE to a maximum of two Type 4, Class 8 PDs (71.1 W to each PD) simultaneously when two DC output ports are drawing 50 watts each
Fiber Optic Ethernet	1000BASE-LX Ethernet on the fiber optic Ethernet port Support single mode, 1310nm wavelength PHY for fiber optic Ethernet.

MANAGEMENT	
General	GUI and CLI
System	Defined layout and structure for the GUI and CLI, SSH, HTTP, HTTPS, SNMP V2 and V3
VLAN Support	IEEE 802.1ap-2008

RELIABILITY
Minimum MTBF (Mean Time Between Failures) of 10,000 hours

Non-Export Controlled Information

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