

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)
Connectivity	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
Colors	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, Standard Deviation, Dew Point, & Vibration	MIL-STD-810G

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.

INTERFACE

<p>Copper Ethernet</p>	<p>10BASE-T, 100BASE-TX and 1000BASE-T Ethernet on all copper Ethernet ports</p>
<p>Fiber Optic Ethernet</p>	<p>1000BASE-LX Ethernet on the fiber optic Ethernet port</p>

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

Supports 24 (r)-49.6.2 (e)-13. (y)(24 (r)-49)-5.9 (p)-14.8 (p)-24.3 (o)-14.4 (r)-49.- (0)1 (t)-7.7 (i)-13.550B4 (u)-5.014 TT24 (0Tt)-7-48 (x)-16.4 (i)-5M, 2Q(h)e-12(e)-125 647269415cm0T537 (p)-24.534567.3.2 cm0 0 m161.135 9-24Ter cm0 0 .6 9-24TD9-24Te91C8cs ei-m0 C8cs ei-m9-24TD, Ct

RF-7800W-IU31X

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Network Centered Infrastructure