

| 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 | |
|----------------------|---|
| 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 E24 (r)-49.-6.2 (e)--13.(y)(24 (r)-49)-5.9 (p)-14.8 (p)-24.3 (o)-14.4 (r)-49.- (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)-24.5345673.2 cm0 0 m161.135 9-24Ter cm0 0 .6 9-24TD9-24Te91C8cs ei-m0 C8cs ei-m9-24TD, Ct