MECHANICALS

D﹍ e﹍ ﹍ ﹍	3.5 H x 17.5 W x 17 D in (8.9 H x 44.4 W x 43.2 D cm)
We﹍	15 lbs (6.8 kg)

C﹍ ec ﹍	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 I﹍d﹍ca ﹍	Power, EOW, Antenna Alignment
M﹍ ﹍r ﹍	Two rack units (2U) of a standard 19" rack
C﹍	RF-7800W-IU310 (green) RF-7800W-IU311 (tan)

ELECTRICAL

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

ENVIRONMENTAL

A﹍ ﹍ ﹍de	MIL-STD-810G
Te﹍ ﹍e a﹍ ﹍e	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)
Re a﹍ eH﹍ ﹍﹍d﹍ ﹍, Sa﹍ d a d D﹍ ﹍, D ﹍﹍ Wa﹍ e , S﹍ c &V﹍ b a ﹍	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