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RF-7800W-IU30X

Rugged Network Interface Unit

MECHANICALS	
Dimensions	7 H x 7.5 W x 12.5 D in (17.78 H x 19.05 W x 31.75 D cm)
Weight	17.5 lbs (7.94 kg)
Connectors	Four copper Ethernet ports with POE++ One dual-optical fiber Ethernet port Tyco Electronics ProBeam® Jr. connector Duplex, Single mode, 1310 nm wavelength (AC) input port, (DC) input port Two DC output ports Console port Audio handset/headset port A 26.5 V Direct Current (DC) output port
LED Indicators	Power, EOW
Mounting	Shock Mount, RF-5071VSM-03 Mounting Plate Assembly, 12069-3445-01 H-250/U handset to the NIU Tactical speaker
Color	RF-7800W-IU300 (green) RF-7800W-IU301 (tan)

ELECTRICAL	
Dual Voltage Input Operation	AC mains or DC mains power input
Input Power	AC: 85 VAC to 265 VAC 47 Hz to 63 Hz. less than 410 W full load DC: 10 VDC (±0.5 VDC) to 34 VDC (±0.5 VDC). less than 400 W full load
Output Power	350 W output power across all ports
DC Output Power	Two external 56VDC Output Ports
EMI/EMC	MIL-STD-461G

ENVIRONMENTAL	
Altitude, Immersion, Relative Humidity, Salt Fog, Sand and Dust, Shock, Vibration	MIL-STD-810G
Temperature	MIL-STD-810G storage at -40°C to +70°C MIL-STD-810G operation at -40°C to +60°C



The L3Harris RF-7800W-IU30X Network Interface Unit (NIU) is a multi-port, Layer 2, Power over Ethernet switch. The NIU includes multiple DC outputs which allow it to power RF-7800W radios and accessories. The unit also supports wide-range input power, supporting deployment into a diverse set of operational environments. The NIU is MIL-STD-810G ruggedized and includes a SIP server and an auto-redundant link for a seamless switch over to a second radio link if primary goes down.

INTERFACE

Copper Ethernet	10BASE-T, 100BASE-TX and 1000BASE-T Ethernet on all copper Ethernet ports per IEEE 802.3-2008
	PoE to a maximum of two Type 4, Class 8 PDs (71.1W to each PD) simultaneously when two DC output ports are drawing 50W each
	Rapid Spanning Tree operation as per IEEE 802.1D-2004
GUI	GUI into non-English languages

MANAGEMENT

GUI and CLI	
Layout and structure for the GUI and CLI , SSH, HTTP, HTTPS, SNMP V2 and V3	
VLAN Support	per IEEE 802.1ap-2008

RELIABILITY

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

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