L3HARRIS RF-7800W-IU200

Network Interface Unit (NIU)

The L3Harris RF-7800W-IU200 Network Interface Unit provides rugged power and extended range for soldiers requiring reliable communications during rapid deployments. The unit supports wide range AC/DC input allowing up to four L3Harris RF-7800W HCLOS radios to be deployed into the harshest scenarios.

Front panel LEDs allow real-time monitoring of RF-7800W radio signal strength and data link quality. To minimize network outages due to disruption of wireless connectivity, the NIU supports automatic failover to a backup radio link. Power over Ethernet (PoE) and a fiber optic connection provide expanded network interfacing, allowing operators to remain connected while separated from their communications equipment up to 2 km.

The L3Harris NIU provides local operators with easy-to-use, secure voice communications to other networked NIUs through a standard handset. The NIU also includes an embedded Session Initiation Protocol call manager for extended VoIP services. Users can easily create and monitor network configurations through its standard web browser, and a localization tool gives multilingual support including right-to-left languages.

EXPANDED POWER AND RANGE FOR DATA CONNECTIVITY

KEY BENEFITS

> Rugged power and Ethernet interface for RF-7800W HCLOS radio systems

> Remote networking up to 2 km from the NIU location

> Simple Push-To-Talk voice communication between NIUs on the network with Engineering Order Wire

> VoIP connectivity with embedded SIP call manager

FACTS

> Seamless failover to a secondary backup prevents critical data loss

> 802.3 at PoE for deployment flexibility and integration with networked devices

> Infrastructure-free deployment using 12069-1500-01 battery bag

GENERAL

RT Nomenclature	RF-7800W-IU200 (green), -IU201 (tan)
Compatibility	RF-7800W-OU50x/OU47x
AC Input Voltage	85 to 265 VAC, 47 to 440 Hz
DC Input Voltage	10.5 to 34.5 VDC
Input Protection	Reverse protection, under voltage, surge protection, and inrush current
DC Output	+52 VDC
Standby Power	AC power priority with uninterrupted switch over to DC backup power
Power Consumption	200 W max

PHYSICAL

Dimensions	7 H x 7.5 W x 13.6 D in (17.8 H x 19.0 W x 34.5 D cm)
Weight	14.5 lbs (6.6 kg)
Color/Finish	Powder coat green (-IU200) Powder coat tan (-IU201)

ENVIRONMENTAL

Shock and Vibration	MIL-STD-810G
Immersion	MIL-STD-810G
Temperature	-40°F to +140°F (-40°C to +60°C) operational -40°F to +158°F (-40°C to +70°C) storage
Sand/Dust/Salt Fog/Rain	MIL-STD-810G
Humidity	MIL-STD-810G
Altitude	MIL-STD-810G low pressure Operational: 15,000 ft (4,572 m) Storage: 40,000 ft (12,192 m)

INTERFACES

Data/Ethernet	J1-J4: (4) Rugged RJ-45 ports with PoE, 10BASE-T, 100BASE-TX and 1000BASE-T with auto negotiation
Fiber	J5: One ProBeam Jr. optical fiber, 1000BASE-LX
AC Input	J6: MS3114E12-3P
DC Input	J7: MS3114E14-5P
DC Output	J8-J9: MS3114E8-33S, 52VDC accessory power ports
Serial Console Port	J10: RS-422 with 12069-390x cables
EOW Audio/Volume Control	J11: 6-pin ADF EOW audio with H-250 handset, PTT keyline when audio present, volume control buttons with active call indicator LED
LED Indicators	Two multi-color LEDs providing link condition/ signal strength status for two connected radios
Ground	Stainless steel post 10-32 UNF x .70 in
HMI	Two PA power ports for RF-7800W-PA440

STANDARD KIT

10075-1399	H-250 Handset
10181-9831-009	AC Power Cable, 9 ft (~2.7 m)
J85-0022-001	AC Adapter - Europe
J85-0023-001	AC Adapter - United Kingdom
Z52-0031-001	AC Adapter - Australia
12069-1032-A015	DC Power Cable, unterminated on end, 15 ft (~4.6 m)
10515-0433-6000	CD-ROM including: System Installation/ Operation Manual, Reference Card
10515-0433-4100	Reference Card

See L3Harris Product Catalog for accessories

Non-Export Controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

L3HARRIS™

FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919