L3HARRIS™
FAST. FORWARD.

RF-7800I-RG20X

Two-Channel Radio Gateway

INTERFACES

Audio, Single Ended	0 dBm at 600 ohms
Audio, Single Balanced	0 dBm at 600 ohms
Radio PTT	Optically isolated normally open
Radio Data	RS-232, standard rates up to 115.2 Kb
Radio Console Port	RS-232, standard rates up to 115.2 Kb
Ethernet	2 x 10/100 Base-T
Protocols	TCP, UDP, RTP
Gateway Console Port	RS-232 at 115.2 Kb
Codec	G.711, G.729

POWER

Power Input	10.5-36 VDC per MIL-STD-1275E
Power Consumption	6 watts

PHYSICAL

Dimensions	1.72 H x 7.5 W x 4.5 D in 4.37 H x 19.05 W x 11.43 D cm
Mounting	Hard mounted
Weight	3 lbs 1.36 kg
Color/Finish	RF-7800I-RG200, Green per RAL6007 RF-7800I-RG202, Tan per FED-STD-595B 33446

ENVIRONMENTAL

Temperature, Operating	40°F to +158°F (-40°C to +70°C) per MIL-STD-810G 501.5, 502.5
Temperature, Storage	-40°F to +185°F (-40°C to +85°C) per MIL-STD-810G 501.5, 502.5
Immersion	1 meter per MIL-STD-810G 512.5
Altitude, Operating	15,000 ft per MIL-STD-810G 500.5
Altitude, Storage	40,000 ft per MIL-STD-810G 500.5
Shock	MIL-STD-810G 516.6 Proc I, IV, V and VI
Vibration	MIL-STD-810G 514.6 Cat 13, Cat 14 and Cat 20 C-2, C-3 and C-4
Humidity	0 to 95% per MIL-STD-810G 507.5

EMI/EMC

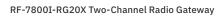|	
EMI	CS101, CE102, RE102, CS114, CS115, CS116 per MIL-STD-461

The L3Harris RF-7800I-RG20X allows users to quickly add more radios within a L3Harris RF-7800I Tactical Networking Intercom System, without the need for an additional Central Unit. The Two-Channel Radio Gateway features flexible Ethernet connectivity with voice-to-data communications through Radio over Internet Protocol. It fully integrates radios into the RF-7800I allowing remote control from an intercom crew station or laptop. Ruggedized for harsh environments, the gateway is night vision/blackout mode compatible. The RF-7800I-RG20X Gateway is software defined with a built-in Web User Interface that simplifies configuration and upgrade tasks. This solution is interoperable with the L3Harris Falcon® family of radios and a variety of other military, government and commercial devices.

STANDARD KIT INCLUDES	
RF-7800I-RG200	Radio Gateway, Two-Channel, Green
12109-5300-01	Radio Gateway Assembly
12109-5029-A001	Ground Strap
RF-7800I-RG202	Radio Gateway, Two-Channel, Tan
12109-5300-02	Radio Gateway Assembly
12109-5029-A001	Ground Strap

OPTIONAL ACCESSORIES
Radio Cables
Ethernet Cables
Power Cables

See L3Harris Product Catalog for additional information

RF-7800I-RG20X Two-Channel Radio Gateway

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.

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