



**L3HARRIS™**  
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## RF-9820S

### Single Channel Small Form Factor Radio

GENERAL	
RF Nomenclature	RF-9820S
Frequency Range	225-2600 MHz
Net Presets	13
Channel Spacing/Bandwidth	25 kHz-40 MHz
GPS	External GPS
Management Tool	WebMMI for network monitoring and management
Frequency Tuning	10 Hz

PHYSICAL	
Dimensions	3.8 H x 3.1 W x 1.7 D in (9.6 H x 7.9 W x 4.3 D cm) (without battery)
Volume	18 in <sup>3</sup> (295 cc) (without battery)
Weight	1.0lbs (450 g) (without battery)

TRANSMITTER	
Power Output	3.2 W
Spurious Suppression	Per TIA-603D
Harmonic Suppression	Per TIA-603D

RECEIVER	
Sensitivity	-116 dBm, 12 dB SINAD
Adjacent Channel Rejection	Per TIA-603D
Squelch	Noise or Tone

POWER	
Power Input	9 V to 17 VDC
Battery Types	Rechargeable lithium-ion battery

MODES AND WAVEFORMS	
Wideband Waveforms	TSM™ version 6.1, Wraith™
Voice and Data Modes	<b>Data</b> Wideband up to 16 Mbps



The L3Harris Compact Team Radio is a single-channel small form factor radio providing users with robust voice and data capabilities. This versatile, small-SWaP solution is ideal for missions on the move, supporting both MANET and legacy Line-Of-Sight capabilities. The RF-9820S also shares accessories with the L3Harris AN/PRC-163 Multi-channel Handheld, reducing deployment complexities while increasing warfighter agility.

## ENVIRONMENTAL

Temperature	-22°F to 131°F (-30°C to +55°C)
Immersion	2 meters
Shock and Vibration	MIL-STD-810G
Sand/Dust/Salt/Fog/Rain	MIL-STD-810H
EMI/RFI	MIL-STD-461F

## INTERFACES

Data	USB 2.0, IP over USB
Audio	19-pin ADF, Audio, USB 2.0, fill
Antenna Port	50-ohm TNC
Programming	USB 2.0
Function Knob	OFF, ON, Z, 14 preset positions
Remote Control	WebMMI

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