

Specifications

Trimble SNR920 (Single band)



Models

900 MHz and Wi-Fi Wi-Fi only, non-upgradeable

Standard Radio Platform Features

- Rugged machine mounted radio
- 12 and 24V operation
- Flexible, rubber-duck style antennas
- Field upgradeable software
- Two RS232 serial ports
- One CAN (J1939) bus port (250kbps)
- Ethernet (IEEE 802.3) Port (10Mbps)
- LED provides information on radio status
- User configuration / troubleshooting via PC tool
- Wi-Fi Radio - Wireless Data Sync, 802.11b/g

Product Specifications

Physical Characteristics

Height (radio only)	220 mm (8.7 in.)
Height with radio antennas	400 mm (15.7 in.)
Width	215 mm (8.5 in.)
Depth	85 mm (3.3 in.)
Mounting::	7 mm holes, 86 x 186.79 mm rectangular pattern, mounted with 6 mm fasteners
Weight:	2.7 kg
Connector:	26 pin Amphenol bayonet, sealed
Indicator (1 yellow LED):	<ul style="list-style-type: none">• Booting/Rebooting: LED is illuminated continuously when powering up.• Monitor Mode: slow blink (1/2 Hz)• Normal Operation:<ul style="list-style-type: none">o With Corrections: LED flashes at the rate that it receives corrections (typically 1Hz)o Without Corrections: LED is illuminated continuously.

Environmental Characteristics

Temperature:	
Operating:	-40 °C to +70 °C (-40 °F to +158 °F)
Storage:	-40 °C to +85 °C (-40 °F to +185 °F)
Humidity:	100% fully sealed, waterproof
Sealing:	100% Factory Tested to +/-5 psi sealing
Vibration:	9.8 gRMS

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Electrical Specifications

Input Voltage Range:	Suitable for 12 & 24VDC systems
Startup Current for both 12 V and 24 V	9 to 32 VDC
Reverse Polarity Protection:	1.24 A
Load Dump Protected:	Yes
EMC:	Yes
Emissions:	Compliant with CE, FCC Part 15
Susceptibility:	Compliant with CE, FCC Part 15

GPS RF Performance

Transmit Power:	900 MHz
Receive Sensitivity	28.5 dBm, .7 W
Frequencies ¹	-105 dBm
Data Rate	902–928 MHz USA, Canada
Range	128 kbps
	3 km line of sight typical

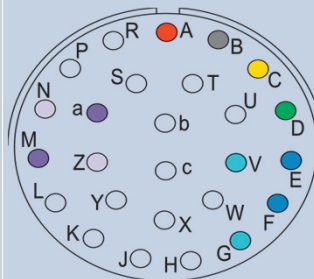
UTS RF Performance

Transmit Power:	Not included with this model
Receive Sensitivity	N/A
Frequencies ¹	N/A
Data Rate	N/A
Range	N/A

Wi-Fi RF Performance

Transmit Power:	Wi-Fi
Receive Sensitivity	15 dBm, 32 mW
Frequencies ¹	-87 dBm
Data Rate	2.4 - 2.4835 GHz worldwide
Range	1Mbps-54Mbps
	300 m line of sight

Pins



● A: PWR+	○ P: N/C
● B: PWR-	○ R: N/C
● C: CAN1-H	○ S: N/C
● D: CAN1-L	○ T: N/C
● E: RS232-2 TXD	○ U: N/C
● F: RS232-3 TXD	● V: RS232-2 RXD
● G: RS232-3 RXD	○ W: N/C
○ H: N/C	○ X: N/C
○ J: N/C	○ Y: N/C
○ K: N/C	○ Z: ETH1-RX-
○ L: N/C	● a: ETH1-TX-
○ M: ETH1-TX+	○ b: N/C
○ N: ETH1-RX+	○ c: N/C

Footnotes:

1. Dealers should be consulted to insure that radio licenses and type approvals are in place for the users' region.

Specifications subject to change without notice.

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Trimble Heavy and Highway Division

10355 Westmoor Drive, Suite 100

Westminster, CO 80021

USA

800-538-7800 (Toll Free)

+1-937-245-5154 Phone

+1-937-233-9441 Fax

www.trimble.com

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