Specifications

Trimble SNR934

- dual band



Models

900 MHz and 2.4 GHz dual frequency band capable

Standard 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)
- LED provides information on radio status
- User configuration / troubleshooting via PC tool

Product Specifications

Compatibility: SNR910 (900 MHz and 2.4 GHz)

GCS900 v10+ Yes
GCS900 v6.xx Yes

SiteVision GPS
Yes (900 MHz only, GPS-only)

BladePro 3D Yes (900 MHz only, GPS-only)
Two-way data capable Yes

2WD & UTS simultaneously
Use as a GPS base station radio
No
Use with Trimble SPSx30 UTS
Yes

Use with Trimble ATS600 with internal 2.4 GHz radio

Use with Trimble ATS600 with external Trimble

SNB900 900 MHz radio

Physical Characteristics

Mounting::

 Height
 188 mm (7.4 in.)

 Height with radio antennas
 368 mm (14.5 in.)

 Width
 211 mm (8.3 in.)

Depth 61 mm (2.4 in.)

7 mm holes, 86 x 186.79 mm rectangular pattern, mounted with 6 mm fasteners

Machine Mount: SNR Adaptor bracket to standard Trimble 3D grade control system on-machine radio mount bracket.

Connector: 8 pin bulkhead, sealed



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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)

Protection rating:

Humidity: 100% fully sealed, waterproof

Sealing: IP67

Vibrations: 9.8 gRMS

Electrical Specifications

Input Voltage: Suitable for 12 & 24VDC systems

Current: 9 to 32 VDC
Power consumption: 1.24 A

Reverse Polarity Protection:

Load Dump Protected:

Yes

Yes

EMC:

Emissions: Compliant with CE, FCC Part 15

Susceptibility: Compliant with CE, FCC Part 15

GPS RF Performance 900 MHz

Transmit Power: Receive Only

Receive Sensitivity -105 dBm

Frequencies 902–928 MHz USA, Canada

Spacing

Over the Air Data Rate 128 kbps

Range 3-5 km (1.8 – 3.1 m) typical

UTS RF Performance 2.4 GHz

Transmit Power: 20 dBm, 100 mW
Receive Sensitivity -93 dBm

Frequencies 2400-2483 MHz worldwide

Spacing N/A

Over the Air Data Rate 460 kbps

Range 1 km typical

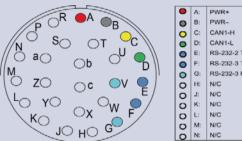


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Pins



A: PWR+
B: PWRC: CAN1-H
D: CAN1-L
E: RS-232-2 TXD
C: RS-232-3 TXD
C: RS-232-2 TXD
C: RS-232-

Specifications subject to change without notice.

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