



Modem Name	SNM941 Connected Site Gateway
Connectivity	
Cellular	
Frequency Bands	SNM941-90 Model that is offered in North and South America, except for Brazil: LTE bands 2,4,5,13,17, UMTS 850/1700/1900 and GMS 850/900/1800/1900 SNM941-60 Model that is offered in all areas outside the Americas plus Brazil: LTE bands 1,3,7,8,20, UMTS 900/1800/2100 and GMS 900/1800
Technology	LTE (LTE with fallback to UMTS/HSDPA and GPRS), WCDMA(HSPA), GSM(EGPRS, GPRS) data only, no voice support.
WCDMA	WCDMA(HSPA)
Frequency Bands	
Technology	
2G/3G CDMA	not supported
Frequency Bands	
Technology	
Ethernet	100 Base-T
Bluetooth	Bluetooth 4.1 dual mode.
Wi-Fi	2.4GHz & 5GHz Wi-Fi Support Supported Protocols - 802.11ac,a,b,g,n Supported Modes: Access Point
Serial	Three wire RS-232
CANbus	2 CAN Bus support for communications up to 250kb/s
Use Case Application	
Office Internet Base Station (IBS)	Yes
Field Internet Base Station (IBS)	Yes
Rover	Yes
On Machine Rover	Yes
Rebroadcaster	No
Wi-Fi Hotspot	Yes
Supported Services	IBSS or VRS Rover
Two way data	Yes
Tracking services	No
Equipment can be used with Site Office Internet Gateway	Trimble Earthworks, GCS900, SPS Modular GPS Yes
General	
Keyboard and display	None
Dimensions (L x W x D)	230mm x 136.3mm x 40mm
Weight	1.09 kg
Power	
External	7 V DC to 32 V DC, nominal
Internal battery	No
Power consumption	233 mA typical, 8 mA sleep (1.5 A peak) at 12 VDC (Transmitting cellular data)

Antenna

Adhesive Mount GNSS/ Wi-Fi / Cellular combo

Environmental Specifications

Operating Temperature

-40 °C to +85 °C

Wi-Fi -20 °C to + 85 °C

Storage Temperature

-40 °C to +85 °C

IP Rating

67

Humidity / Enclosure

SAEJ1455

Shock / Vibration

SAEJ1455

Connections

Power

34 Pin (M) positive locking

Data

34 Pin (M) positive locking

Cellular Antenna

TNC & RP-SMA Jack

Ethernet

34 Pin (M) positive locking

Serial

34 Pin (M) positive locking

GPS Antenna

SMA Jack

Wi-Fi Antenna

RP TNC Jack

Mount

4 holes, 215.4mm x 60mm

Configuration

Windows Application & URL commands

Type Certification / Regulatory Approvals

FCC Class B Part 15; CE; C-Tick; WEEE
Industry Canada; RoHS; PTCRB; E-Mark

GPS Receiver

Type

12 channel; L1 GPS C/A Code, Continuous Tracking

SBAS support

WAAS, EGNOS

Horizontal accuracy

<2m (50% CEP)

Notes

External radios may include 450MHz, 900MHz, Trunking data radios, Mesh modems, and Satellite modems.

Use in Japan requires attenuators on LTE antenna to conform with -3dB maximum gain.

Specifications subject to change without notice.

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