



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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