

**RV50**

Industrial 4G LTE Cellular Gateway



Cellular Connectivity

Cellular data services available

Overview

The RV50 is an industrial 4G LTE cellular gateway that provides serial and Ethernet connectivity to numerous cellular networks. (The RV50 automatically falls back to 3G or 2G when 4G coverage is not available.) The RV50 is capable of LTE, CDMA/EV-DO, and GSM/GPRS/EDGE/WCDMA networking and is carrier-approved worldwide for Verizon, AT&T, T-Mobile USA, Rogers, Bell, Telus, and other cellular data carriers. The

networking and carrier used by the RV50 are determined by the active SIM card(s) inserted into the device.

Note: The RV50 does not ship with a SIM card unless the cellular modem was provisioned with/for [Cellular Data Services](#); the SIM card is provided by the carrier when signing up for service.

Benefits and Features

- › Easily provides Internet connectivity to Campbell Scientific data loggers and peripherals anywhere there is cellular network coverage
- › Very low power consumption when compared to other industrial cellular gateways
- › Compatible with most Campbell Scientific data loggers
- › 4G LTE networking with automatic fallback to 3G and 2G
- › Works with many cellular network carriers
- › Ready to use out of the box—no need to work with a cellular carrier for modem provisioning and data plans when coupled with Campbell Scientific Data Services

Specifications

Network Technology	4G (with automatic fallback to 3G and 2G)	Host Interface	<ul style="list-style-type: none"> › 10/100/1000 Ethernet RJ45 › RS-232 Serial DTE DB9 Female › USB 2.0 Micro-B
RF Connectors	3 female SMA jacks (for primary cellular and optional diversity cellular and GPS)	Dimensions	11.9 x 9.4 x 3.4 cm (4.69 x 3.7 x 1.34 in.)
Operating Temperature Range	-30° to +70°C	Weight	320 g (11.3 oz)



Cellular WAN - North American Model (-NA)

Carrier Approval	Verizon, AT&T, Sprint, T-Mobile USA, Rogers, Bell, Telus
LTE	1900(B2), AWS(B4), 850(B5), 700(B13), 700(B17), 1900(B25)
WCDMA	2100(B1), 1900(B2), AWS(B4), 850(B5), 900(B8)
EV-DO/CDMA	800(BC0), 1900(BC1), 1700(BC10)
GSM/GPRS/EDGE	Quad-band
Industry Approvals	FCC, IC, PTCRB
Radio Type	Software-defined (with automatic network operator switching)

Interfaces

Dual SIM interfaces

Cellular WAN - International Model (-INT)

LTE	2100(B1), 1800(B3), 2600(B7), 900(B8), 800(B20)
WCDMA	2100(B1), 1900(B2), 850(B5), 900(B8)
GSM/GPRS/EDGE	Quad-band
Industry Approvals	CE, RCM, GCF, R&TTE
Radio Type	Software-defined (with automatic network operator switching)
Interfaces	Dual SIM Interfaces (2FF)

For comprehensive details, visit: www.campbellsci.com/rv50 



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