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Sierra Wireless AirLink RV55 Rugged LTE-A Pro Router

SKU: M2M-SW-00008

MPN: RV55-1104332

Description

The AirLink® RV55 is the industry's most rugged, compact, LTE-Advanced Pro router. Simple to install, and easy to manage, the RV55 router is designed for connecting critical remote assets, infrastructure, and vehicle fleets.

The RV55 is especially well suited for applications in energy, utilities, smart city and public safety. The RV55 provides real-time remote connectivity for SCADA, distribution management systems and metering.

The RV55 high-performance LTE-Advanced Pro connectivity and GNSS and location-based applications and dual connectivity for vehicle fleets and mobile workforce. An LTE-M/NB-IoT variant is perfectly suited for hard to reach conditions.

The RV55 supports an extensive range of LTE bands worldwide, and its LTE-Advanced Pro capabilities deliver up to 600 Mb/s downlink speeds. The RV55 also supports new unlicensed LTE bands (eg. CBRS) to support dedicated Private LTE service.

- LTE-Advanced Pro with minimal power consumption – less than 1 Watt
- Ideal for solar-powered applications
- Ruggedized, industrial grade form factor
- Supports most global 4G frequency bands
- IP64 ingress protection rating

Network Interfaces

Wireless Interfaces

Sierra Wireless (Semtech)

Sierra Wireless (rebranding as Semtech) is a leading IoT solutions provider that combines devices, network services and software to unlock value in the connected economy. Sierra Wireless was acquired by Semtech Corporation in January 2023. With an almost 30 year history of innovation in the wireless space, we have been first to market with many technology solutions for global customers.

Our ...

Cellular Module

Technologies:	3G UMTS, 4G LTE	Chipset/Module:	Snapdragon X12 LTE

4G LTE Specifications

MIMO:	2x2 MIMO	DL Category:	Cat 12
LTE Bands:	B1 , B2 , B3 , B4 , B5 , B7 , B8 , B9 , B12 , B13 , B18 , B19 , B20 , B26 , B28 , B29 , B30 , B32 , B41 , B42 , B43 , B46 , B48 , B66	UL Category:	Cat 13
		Carrier Aggregation:	3C CA

SIM Cards

Quantity	SIM Type
2	Standard SIM (2FF)

Modem RF Connectors

RF Connector Function	Quantity	RF Interface
Cellular	2	SMA Female

GNSS Module

Technologies:	GLONASS, GPS

Device RF Interface

RF Connector Function	Quantity	RF Interface
GNSS	1	SMA Female

Ethernet Interfaces

Interface	Quantity	Function	Signalling
RJ45 Copper	1	LAN	100BASE-T, 1000BASE-T

Physical Specification

Subtype:	Cellular Modem	Dimensions:	119 × 102 × 33 mm
Min. Operating Temperature:	-40 °C	Weight:	320 g
Max. Operating Temperature:	70 °C	Mechanical Compliance:	IEC 60068-2-27: Mechanical Shock
Ingress Protection:	IP64	Compliance/Certifications:	CE , RCM , RoHS

IO Interfaces

IO Connector	Quantity	Notes
DE-9 Serial	1	RS-232
USB Micro-B 2.0	1	

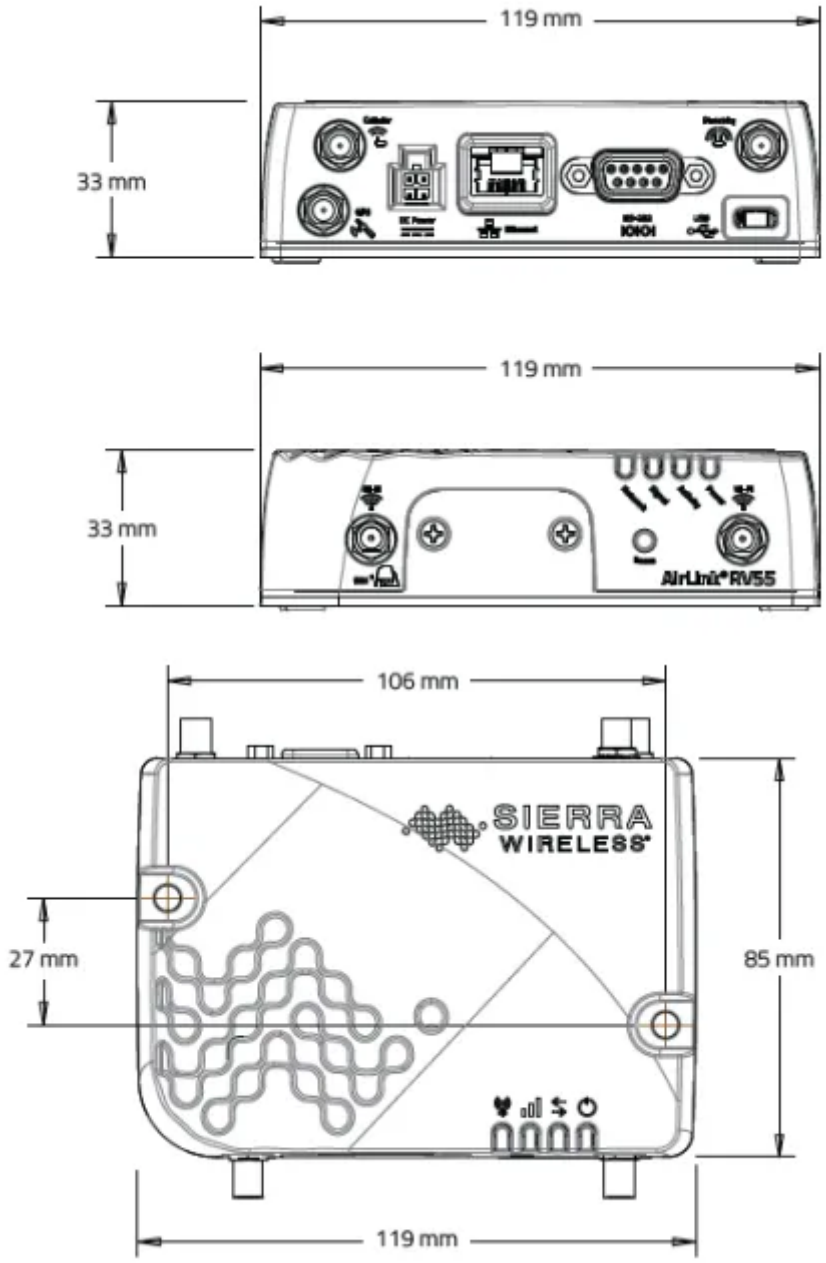
Power Specifications

Power Options:	DC Power Input	Typical Consumption:	0.9 W

Power Interface

Power Connector	Nominal Voltage	Min. Input Voltage	Max. Input Voltage	Voltage Type
Molex, 4-Pin Square Micro-Fit	12 V	7 V	36 V	DC

Drawing



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