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CradlePoint IBR1700-600M-B Cat-11 Modem WiFi Router

MPN: IBR1700-600M-B

Description

Cradlepoint's IBR1700 series modems are a true industrial grade IP64 4G LTE router designed for extraordinarily high performance data connections in challenging environments.

The IBR1700-600M-AP model employs a Category 11 LTE-Advanced modem module capable of 600 Mb/s DL and 75 Mb/s UL data rates. An optional second modem card can be implemented to provide failover and load balancing between two mobile network operators.

IBR1700 models have tri-band 802.11ac Wave 2 WiFi, with all the advanced enterprise features expected of a Cradlepoint device.

- Precision GPS with dead-reckoning enables advanced location-based applications
- OBD-II support with accessory cables advanced location-based
- Extensibility with accessory cable for vehicle health and diagnostics reporting
- Extensibility with GPIOs, NetCloud SDK and API for customisable solutions
- Unified edge security including multi-zone firewalls, IDS/IPS, and Internet security

Read More

Cradlepoint COR IBR1700 mobile routers are sold as part of an

Cradlepoint

Cradlepoint is a Boise, Idaho, company with a mission of enabling customers to Connect Beyond the limits of wired networks. We unlock the transformative power of today's LTE and 5G cellular networks to provide an agile, reliable, and pervasive Wireless WAN edge.

Through Cradlepoint's solutions, companies can connect sites, vehicles, mobile workforces, and IoT devices in a simple and secure way ...

Network Interfaces

Wireless Interfaces

Cellular Module

Technologies:	3G UMTS, 4G LTE	Chipset/Module:	Telit LM940

4G LTE Specifications

MIMO:	2x2 MIMO	DL Category:	Cat 11
LTE Bands:	B1 , B3 , B4 , B5 , B7 , B8 , B12 , B13 , B17 , B20 , B25 , B26 , B28 , B29 , B30 , B38 , B40 , B41 , B66	UL Category:	Cat 5
		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

WiFi Module

WiFi Chipset:	Qualcomm QCA9994 WiFi	Max. Clients:	100
No. Radios:	3	No. Antennas:	6
Max. Throughput:	940 Mb/s		

WiFi Radios

Radio Name (Optional)	WiFi Standard	Frequency Bands	MIMO	Transmit Power
Radio 1 - 2.4 GHz	802.11n	2.4 GHz	2x2 MIMO	33.4 dBm
Radio 1 - 5 GHz	802.11ac Wave 2	5 GHz	2x2 MIMO	35.8 dBm
Radio 2	802.11ac Wave 2	5 GHz	4x4 MIMO	35.8 dBm

WiFi RF Connectors

RF Connector Function	Quantity	RF Interface
WiFi	4	RP-SMA Female
WiFi 5 GHz	2	RP-SMA Female

GNSS Module

Technologies:	BeiDou, Galileo, GLONASS, GPS	Refresh Rate:	1 Hz

Device RF Interface

RF Connector Function	Quantity	RF Interface
GNSS	1	SMA Female

Ethernet Interfaces

Interface	Quantity	Function	Signalling
RJ45 Copper	4	LAN/WAN Switchable	100BASE-T, 1000BASE-T
RJ45 Copper	1	Dedicated WAN	100BASE-T, 1000BASE-T

Physical Specification

Subtype:	Cellular Modem	Dimensions:	224.3 × 190 × 44 mm
Min. Operating Temperature:	-30 °C	Weight:	1.7 kg
Max. Operating Temperature:	70 °C	Materials:	Steel
		Mounting:	Screw / Bolt
		Compliance/Certifications:	ISO 9001 Quality Management

IO Interfaces

IO Connector	Quantity	Notes
USB-A 2.0	1	
GPIO 20-Pin	1	20-pin power + GPIO port
DE-9 Serial	1	Female, RS232
Expansion Slot	1	MC400 Modular Slot for Additional Modem

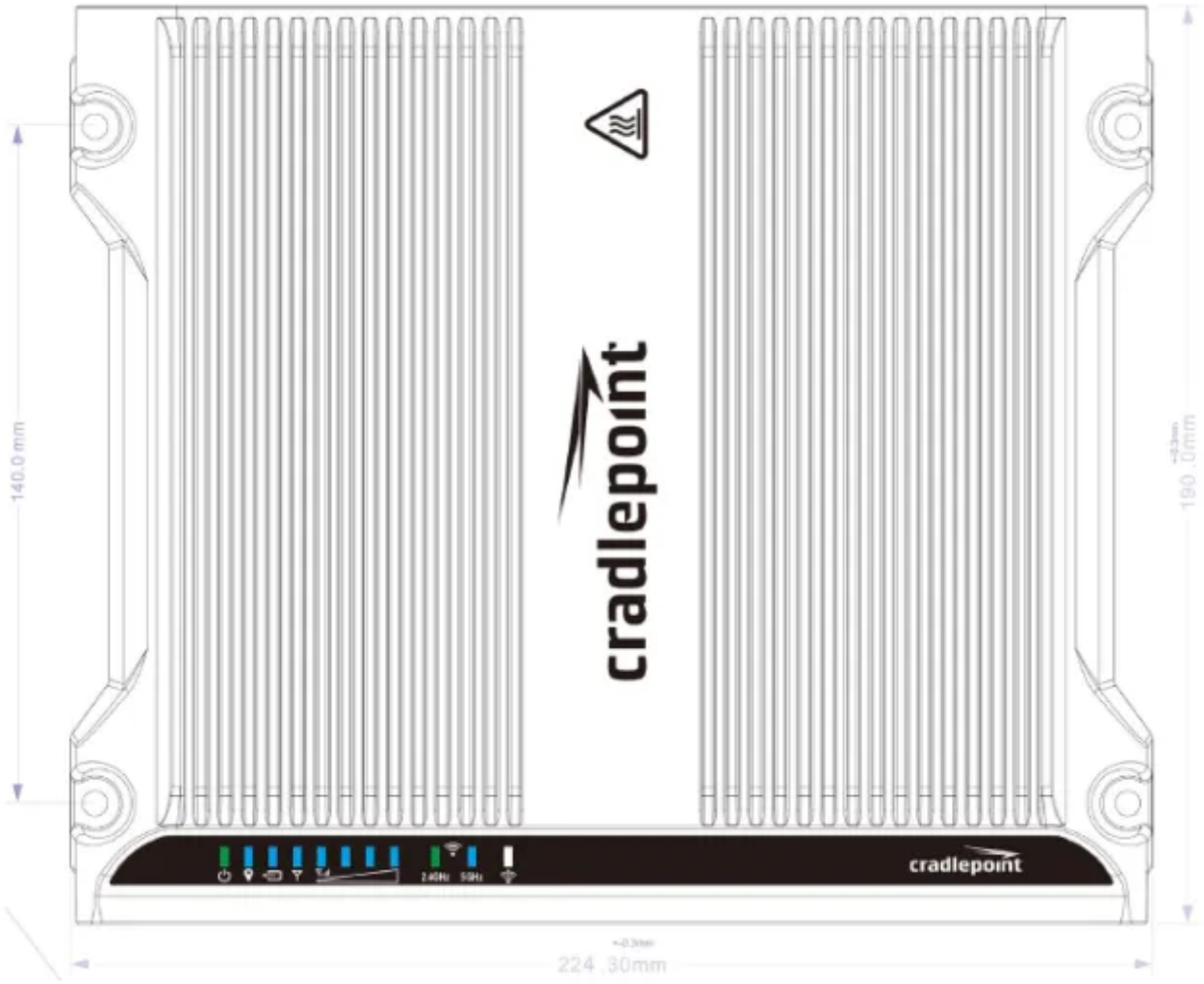
Power Specifications

Max. Consumption:	24 W	Typical Consumption:	14 W

Power Interface

Power Connector	Nominal Voltage	Min. Input Voltage	Max. Input Voltage	Voltage Type
Terminal Block, 4-Position	12 V	9 V	36 V	DC

Drawing



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