

RX20-MC

2023-08-24

The Ericsson Cradlepoint RX20-MC managed accessory is compact and ruggedized for use with the Ericsson Cradlepoint R920 ruggedized router. The RX20-MC includes both a modular modem expansion slot which provides the ability to add a second LTE or 5G modem for dual carrier connectivity and a RS-232 port for connecting serial devices.



[Product Page](#)



[NetCloud Service](#)



[Quick Start Guide](#)

Hardware Specifications

SPECIFICATION	
Technology:	RX20-MC Managed Accessory — Modular Modem

Expansion:

- 1 x 6-pin GPIO connector
 - 2x3 Molex micro-fit

Refer to [Cradlepoint General-Purpose Input/Output \(GPIO\) Reference](#).

- MC400 modem expansion slot
- DB9 RS-232 serial port

Refer to [Cradlepoint General-Purpose Input/Output \(GPIO\) Reference](#).

ENVIRONMENTAL

Temperature:

- Operating: -30 °C to 70 °C (-22 °F to 158 °F)
- Storage: -40 °C to 85 °C (-40 °F to 185 °F)

Humidity:

- Operating: 10% to 90%
- Storage: 5% to 95%

Ingress Protection:

IP64 (dust tight and splashing water)

POWER

Input:

Receives power from the host router.

Consumption[†]:

R920 + RX20 12V input, 25 °C (77 °F) ambient temperature

- Sleep: 16 mW
- Idle: 15 W
- Typical: 19.3 W
- Heavy: 23 W

PHYSICAL

Size:

137 x 116 x 42 mm (5.37 x 4.58 x 1.66 in)

Weight:	561 g (1 lb 3.8 oz)
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RELIABILITY

Calculated MTBF:	7,814,449 hours (Telcordia SR332 at 25 °C)
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CERTIFICATIONS

Safety:	• UL/cUL • CB Scheme • EN 62368-1
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Vehicle:	E-Mark
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Substance Compliance:	• WEEE • RoHS • REACH • California Prop 65
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Shock/Vibration/Humidity:	• MIL STD 810G • SAE J1455
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Electromagnetic Compatibility (EMC):	EN 55032/55035
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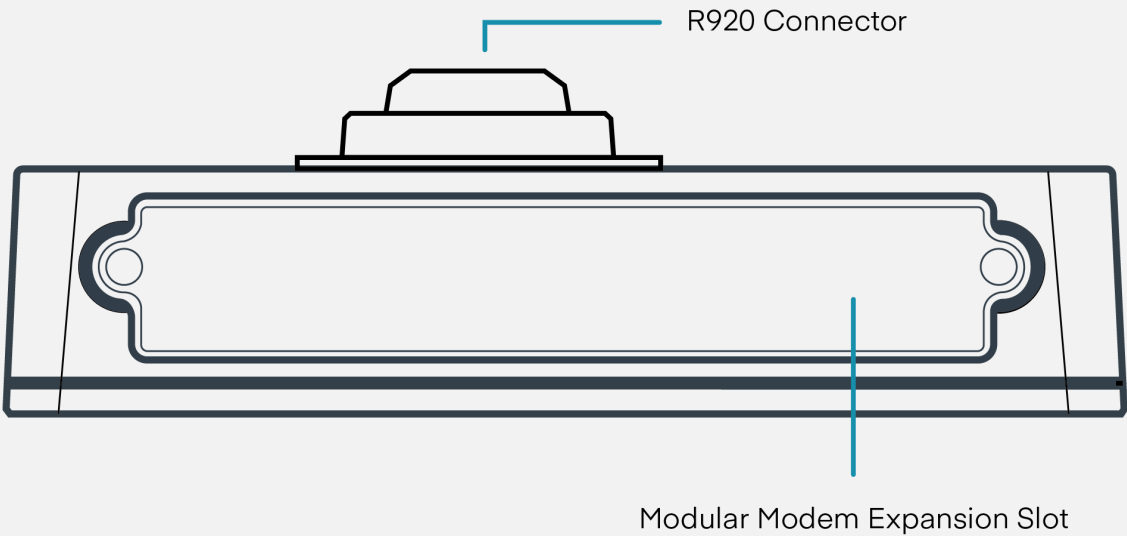
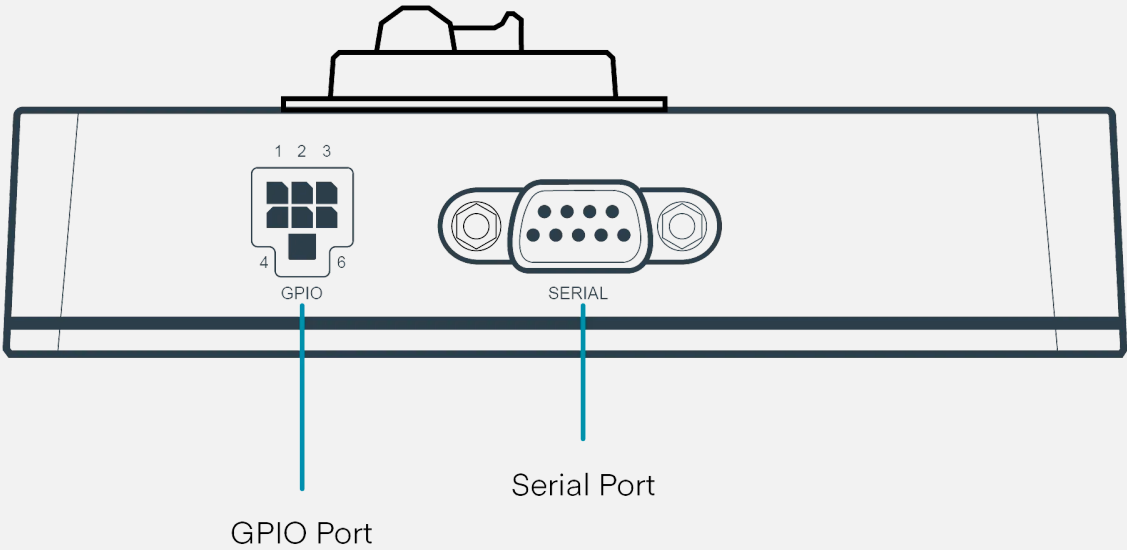
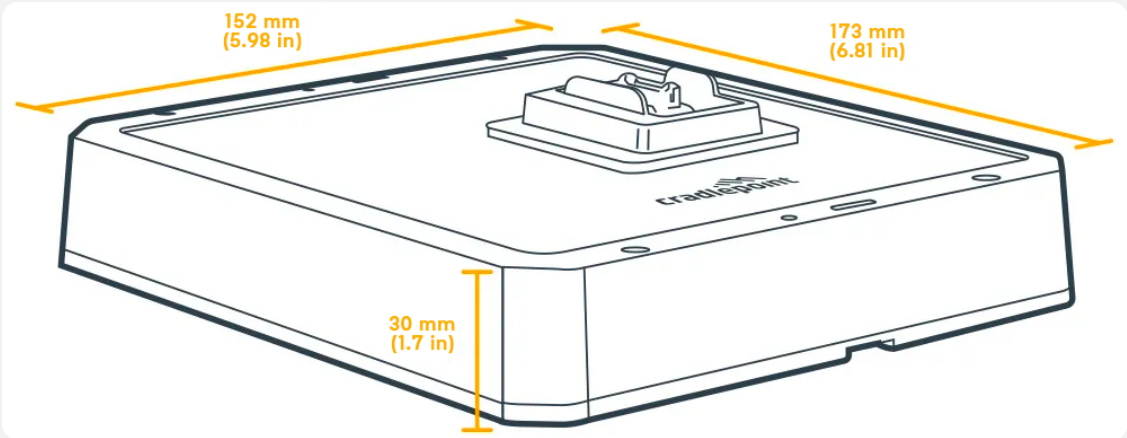
COMPATIBILITY

Supported Routers:	R920 ruggedized router
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Refer to the [**RX20 Managed Accessory Quick Start Guide**](#).

[†] Power consumption values were measured with an MC400-5GB Modular Modem installed in the RX20 Managed Accessory.

Physical Measurements



Ordering Guide

The Ericsson Cradlepoint RX20-MC managed accessory is designed for the R920 router. Activation and use of the RX20-MC accessory require an Ericsson Cradlepoint R920 router that is licensed to an Ericsson NetCloud Service plan. For details on the features available to a licensed Ericsson Cradlepoint router by service plan, refer to the summary on the [NetCloud Service webpage](#) and the detail in the NetCloud Service features document.

NetCloud Packages for the RX20-MC Managed Accessory

REGION		PART NUMBER
All Regions:	RX20 Managed Accessory — Modular Modem (modem sold separately)	MA-RX20-MC
United States: Federal Government	RX20 Managed Accessory — Modular Modem (modem sold separately)	TAA-MA-RX20-MC

Accessories

INCLUDED	PART NUMBER
RX20-MC Managed Accessory	
Small Accessories Kit	N/A
Mounting Template	N/A

Support & Warranty

The Ericsson Cradlepoint RX20-MC is sold only as an optional accessory.

All Ericsson Cradlepoint hardware products are covered by a limited lifetime warranty for as long as they have a subscription license to an active Ericsson NetCloud Service plan.

Find the most up-to-date information at [cradlepoint.com/product/accessories/rx20-mc](https://www.cradlepoint.com/product/accessories/rx20-mc)