

## Data Sheet

# RX30 Series

2022-06-09

The RX30 Series managed accessories are compact and ruggedized for use with the R1900 Series 5G Ruggedized Router. They can provide either four additional GbE PoE ports to connect and power additional Ethernet connected devices or a modem expansion slot and four additional standard GbE ports for carrier diversity and the ability to add additional connected devices.


[RX30-MC Product Page](#)

[RX30-PoE Product Page](#)

[Quick Start Guide](#)

## Hardware Specifications

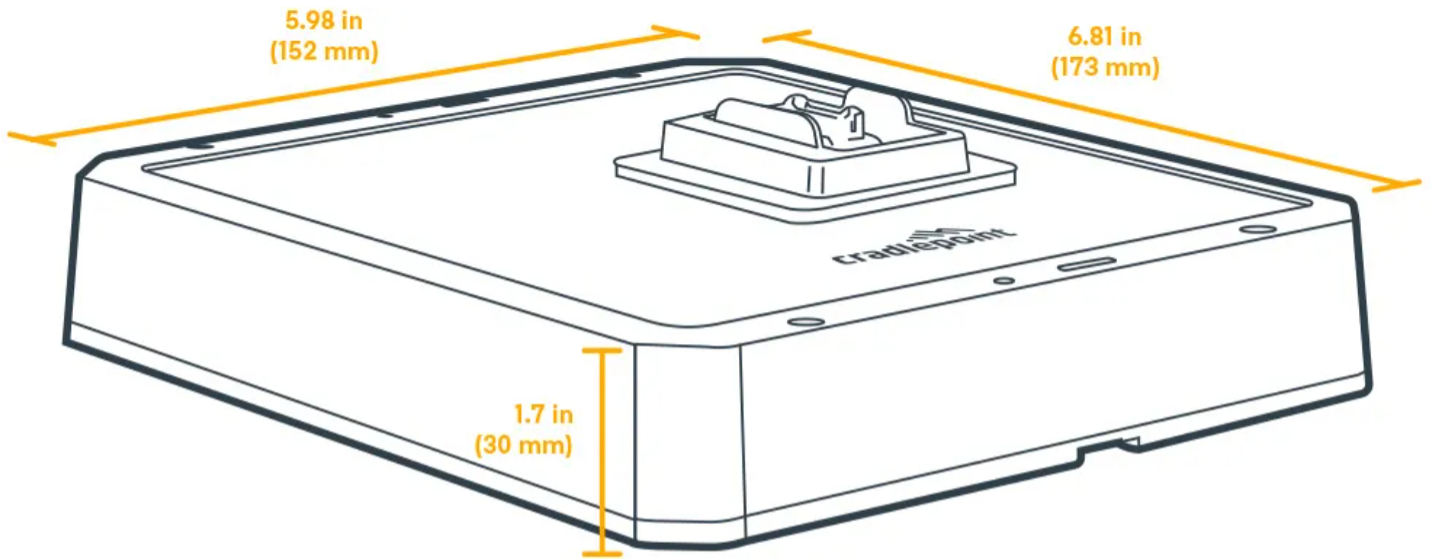
SPECIFICATION	RX30-POE	RX30-MC
<b>Technology:</b>	Ethernet: <ul style="list-style-type: none"> <li>4 x GbE RJ45 (LAN/WAN switchable)</li> </ul> PoE: <ul style="list-style-type: none"> <li>4-port PoE 802.3bt (up to 60 W per port)</li> <li>60W total PoE power budget</li> </ul> Expansion: <ul style="list-style-type: none"> <li>1 x 6-pin GPIO connector</li> <li>2x3 Molex micro-fit (3 mm locking type)</li> </ul>	Ethernet: <ul style="list-style-type: none"> <li>4 x GbE RJ45 (LAN/WAN switchable)</li> </ul> PoE: <ul style="list-style-type: none"> <li>N/A</li> </ul> Expansion: <ul style="list-style-type: none"> <li>1 x 6-pin GPIO connector</li> <li>2x3 Molex micro-fit (3 mm locking type)</li> <li>MC400 modem expansion slot</li> </ul>
<b>ENVIRONMENTAL</b>		
<b>Temperature:</b>	<ul style="list-style-type: none"> <li>Operating: -30 °C to 70 °C (-22 °F to 158 °F)</li> <li>Storage: -40 °C to 85 °C (-40 °F to 185 °F)</li> </ul>	<ul style="list-style-type: none"> <li>Operating: -30 °C to 70 °C (-22 °F to 158 °F)</li> <li>Storage: -40 °C to 85 °C (-40 °F to 185 °F)</li> </ul>

<b>Humidity:</b>	<ul style="list-style-type: none"> <li>— Operating: 10% to 90%</li> <li>— Storage: 5% to 95%</li> </ul>	<ul style="list-style-type: none"> <li>— Operating: 10% to 90%</li> <li>— Storage: 5% to 95%</li> </ul>
<b>Ingress Protection:</b>	IP64 (dust tight and splashing water)	
<b>PHYSICAL</b>		
<b>Size:</b>	173 x 152 x 30 mm (6.81 x 5.98 x 1.18 in)	173 x 152 x 30 mm (6.81 x 5.98 x 1.18 in)
<b>Weight:</b>	0.84 kg (1 lb 13.5 oz)	0.84 kg (1 lb 13.5 oz)
<b>POWER</b>		
<b>Input:</b>	DC input steady state voltage range: 9–36 VDC  <ul style="list-style-type: none"> <li>— 6-pin (2x3) Molex Micro-fit External Power Connector</li> <li>— Reverse polarity and transient voltage protection per ISO 7637-2</li> </ul>	DC input steady state voltage range: 9–36 VDC  <ul style="list-style-type: none"> <li>— 6-pin (2x3) Molex Micro-fit External Power Connector</li> <li>— Reverse polarity and transient voltage protection per ISO 7637-2</li> </ul>
<b>Consumption:</b>	R1900-5GB + RX30 12V input, 25 °C (77 °F) ambient temperature  <ul style="list-style-type: none"> <li>— Sleep: 0.07 W<sup>†</sup></li> <li>— Idle: 14 W<sup>†</sup></li> <li>— Typical: 21 W<sup>†</sup></li> <li>— Heavy: 23 W<sup>†</sup></li> </ul>	R1900-5GB + RX30 12V input, 25 °C (77 °F) ambient temperature  <ul style="list-style-type: none"> <li>— Sleep: 0.07 W</li> <li>— Idle: 21 W</li> <li>— Typical: 27 W</li> <li>— Heavy: 31 W</li> </ul>
<b>CERTIFICATIONS</b>		
<b>Safety:</b>	UL/cUL, CB Scheme, EN 60950-1, EN 62368-1, e-Mark	UL/cUL, CB Scheme, EN 60950-1, EN 62368-1, e-Mark
<b>Materials:</b>	WEEE, RoHS, REACH, California Prop 65	WEEE, RoHS, REACH, California Prop 65
<b>Shock/Vibration/Humidity:</b>	MIL STD 810G and SAE J1455	MIL STD 810G and SAE J1455
<b>Interruption of Voltage Supply:</b>	EN 50155 Class S1	EN 50155 Class S1
<b>Electromagnetic Compatibility (EMC):</b>	EN 50121-3-2 (Power Surge 0.5 & 1 kV Criteria A; 1.5 kV Criteria C)	EN 50121-3-2 (Power Surge 0.5 & 1 kV Criteria A; 1.5 kV Criteria C)
<b>COMPATIBILITY</b>		
<b>Supported Routers:</b>	R1900 Series 5G Ruggedized Router	R1900 Series 5G Ruggedized Router

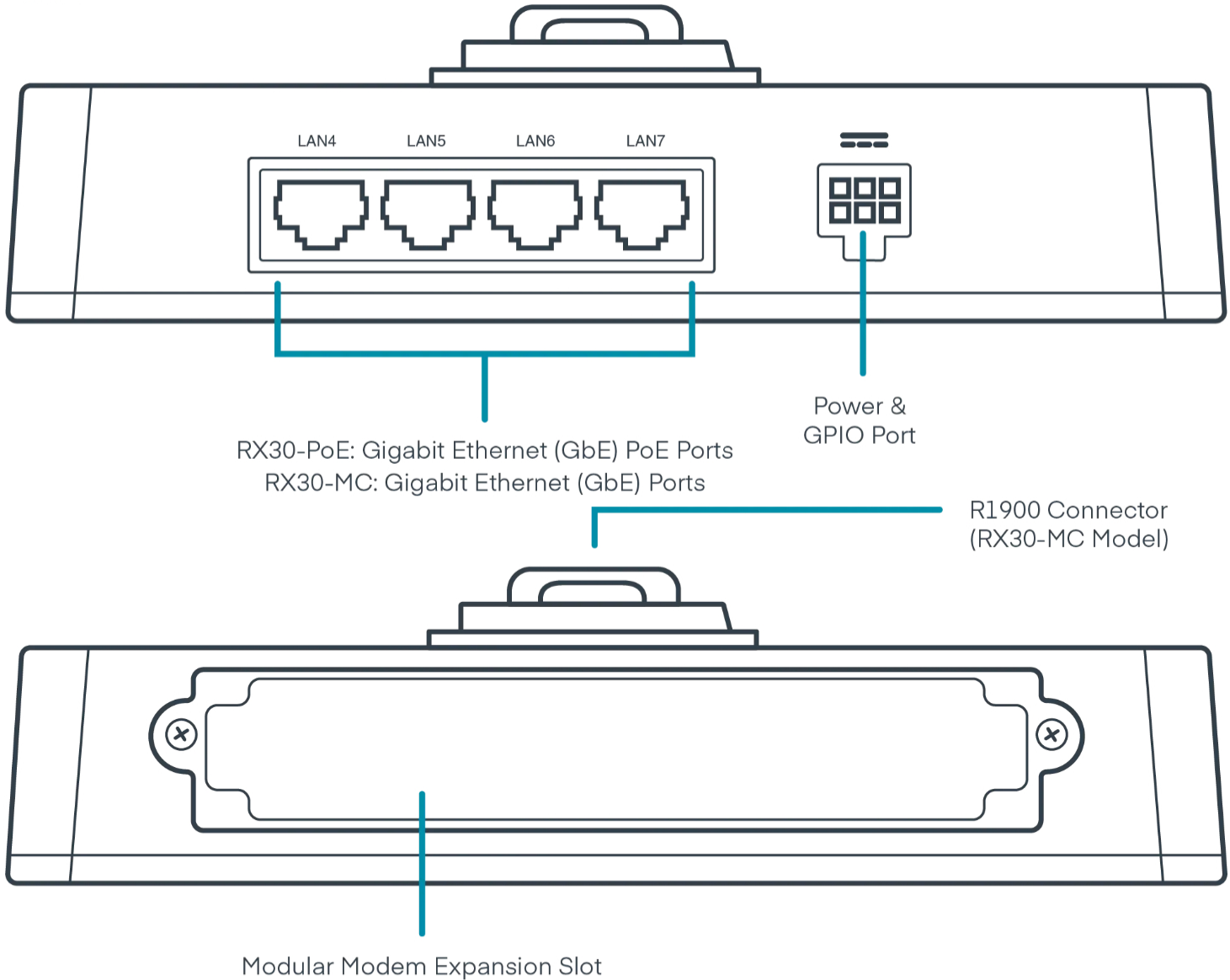
Refer to the RX30 Managed Accessory Quick Start Guide. †Numbers shown are the minimum PoE power draw at each load, but can go up an additional 60 W based on the attached PoE devices.

## Physical Measurements

RX30-MC & RX30-PoE Models



Features



## Ordering Guide

The RX30 Managed Accessories are designed for the R1900 Series Router. Activation and use of the RX30-MC or RX30-PoE requires a Cradlepoint R1900 Series Router that is licensed to a NetCloud Service Plan. For details on the features available to a licensed Cradlepoint router by service plan, refer to the summary on the NetCloud Service webpage and the detail in the NetCloud Service features document:

[cradlepoint.com/netcloud-service](https://cradlepoint.com/netcloud-service)

NetCloud Packages for the RX30 Managed Accessories

REGION		PART NUMBER
All Regions:	RX30 Managed Accessory — PoE Switch	MB-RX30-POE
	RX30 Managed Accessory — Modem & Switch	MB-RX30-MC

## Accessories

	INCLUDED	PART NUMBER
RX30 Managed Accessory		
GPIO & Power Cable, 2x3, 3 meters, 18AWG		170858-000
Small Accessories Kit		N/A
Mounting Template		N/A
OPTIONAL		PART NUMBER
Power Supply, 12V, Small, 2x3 (C13 line cord not include), -30 °C to 70 °C		170870-000
Rail Safe GPIO Cable, Small 2x3, Black, 3 meters, 18AWG		170872-000
UNITED STATES FEDERAL GOVERNMENT		PART NUMBER
GPIO Cable, Small 2x3 MPP, Black, 3 meters, 18AWG		TAA-170858-000

## Support & Warranty

The RX30-PoE and RX30-MC are sold only as optional accessories. All Cradlepoint hardware products are covered by a limited lifetime warranty for as long as they have a subscription license to an active NetCloud Service Plan.

Find the most up-to-date information at [cradlepoint.com/rx30-poe](https://cradlepoint.com/rx30-poe) and [cradlepoint.com/rx30-mc](https://cradlepoint.com/rx30-mc).