



## Product: [CloudRail.Box Max](#)

The CloudRail.Box Max acts as an Edge Gateway between the shop floor and the cloud.

### Product Description

The CloudRail.Box Max supports all connectivity methods like Secondary Sensors, OPC-UA, Modbus, and VSEs. This version comes with a powerful Processor and enough storage. This makes the CloudRail.Box Max the perfect choice for advanced Edge Computing scenarios using AWS IoT Greengrass v2, Azure IoT Edge, or CloudRail Edge Functions. Moreover this version is able to connect more data sources with a single edge gateway.

### Technical Specifications

#### Product description

Type:	CloudRail.Box Max
Part Number:	942347001
Port Type and Quantity:	3x RJ45
Port Speed:	2.5 GbE (I226-IT)

#### More Interfaces

Serial Interface:	1x RS-485 / 1x RS-232 (optional), 1x HDMI
SIM Cards:	1x Nano-SIM (4FF)
Power Supply:	4-pin terminal block with power switch function

#### Hardware

Bypass:	N/A
CPU:	Intel Atom® x6413E
Encryption:	TPM 2.0 (Trusted Platform Module)
Memory:	8 GB LPDDR4 RAM
Storage:	220 GB (Free Storage for Container and Data)

#### Power requirements

Operating Voltage:	12-24V DC
Power consumption:	min. 40W

#### Software

Management:	CloudRail.DMC (Device Management Cloud)
Security:	Integrated Firewall End-to-end encrypted connectivity / TPM 2.0 / Remote Security patches

#### Ambient conditions

Operating temperature:	-20-+60 °C
Minimum Storage Temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

#### Mechanical construction

Dimensions (WxHxD):	130 mm x 90 mm x 30 mm
Weight:	500 g
Housing Material:	Steel / Aluminum
Mount Type:	DIN Rail 35 mm

## Approvals

Basis Standard:	CE, FCC
Safety of information technology equipment:	UL 62368-1

## Scope of delivery and accessories

Scope of delivery:	1 x Device
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## Further Instructions

Product Documentation:	<a href="https://www.doc.hirschmann.com/index.html">https://www.doc.hirschmann.com/index.html</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>
Software Download:	<a href="https://my.belden.com/s/downloads">https://my.belden.com/s/downloads</a>

## History

Update and Revision:	Revision Number: 0.25 Revision Date: 07-25-2025
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## Variants

Item #	Type
942347001	CloudRail.Box Max

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