HIRSCHMANN
A BELDEN BRAND



Product: CloudRail.Box Max

Life Cycle Status: Limited Std Warranty Period

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)

Product Life Cycle

Discontinuation Announcement Date:	2026-03-31
Last Order Date:	2026-09-30
Last Delivery Date:	2028-09-30
Last Service Date:	2028-09-30

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

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com/index.html
Certificates:	https://www.doc.hirschmann.com/certificates.html
Software Download:	https://my.belden.com/s/downloads

History

Update and Revision:	Revision Number: 0.32 Revision Date: 04-28-2026

Variants

Item #	Type
942347001	CloudRail.Box Max

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