



**Product:** BAT867-REUW99AU999AT199L999ZH

**Configurator:** BAT867-R configurator

### Configurator Description

Its rugged design, compact size and select feature set help applications maximize efficiency and performance. The BAT867-R is ideal for industrial settings where space and budgets are limited, such as discrete automation and machine building settings.

### Technical Specifications

#### Product description

Description	Slim industrial DIN-Rail WLAN device with dual band support for installation in industrial environments.
Part Number	942183001
Port type and quantity	Ethernet: 1x RJ45
Radio protocol	IEEE 802.11a/b/g/n/ac WLAN interface as per IEEE 802.11ac
Country certification	Europe, Iceland, Liechtenstein, Norway, Switzerland, Turkey

#### More Interfaces

Ethernet	10/100/1000Mbit/s
Power Supply	1x plug-in terminal block, 2-pin
Local Management and Device Replacement	HiDiscovery

#### Radio technology

Antenna connector	2 × RP-SMA Female, requires antennas with RP-SMA Male connectors
Frequency band	Supports 2.4 GHz and 5 GHz: 2412-2472 MHz and 5180-5825 MHz (regulatory restrictions apply depending on the country of operation)
Modulation	OFDM: BPSK, QPSK, DBPSK, DQPSK, 16-QAM, 64-QAM, 256-QAM; Note: MCS numbering changed with 11ac. Supported rates with up to 2 streams: MCS0-MCS9. Channel widths: 20MHz, 40MHz and 80MHz
Receiver sensitivity	-95 dBm
Additional radio features	2x2 MIMO (configurable). Up to 2 streams (configurable). Spatial Multiplexing, Cyclic-Delay Diversity (CDD), Low-Density Parity Check (LDPC) Codes, Maximal Ratio Combining (MRC), Space Time Block Code (STBC)

#### Hardware

Encryption	Open, WEP, 802.11i - WPA/WPA2 - Personal (PSK), 802.11i - WPA/WPA2 - Enterprise (802.1X: TLS, TTLS/PAP, TTLS/CHAP, TTLS/MSCHAP, TTLS/MSCHAPV2, TTLS/MD5, PEAP/MSCHAPV2)
------------	---

#### Power requirements

Operating Voltage	24 VDC (18-32 VDC)
Power consumption	Maximum power consumption : 9 W

#### Software

Software features	High performance operating system HiLCOS. Supports all WLAN functions, routing, firewall, VLAN, remote access, and redundancy. IPv4 and IPv6.
Management	Web Interface (HTTPs), IPv4, IPv6, SNMP v1/v2/v3
Diagnostics	IPerf Server and Client, System Log, Syslog, Ping, detailed trace functionality, (W)LANMonitor, SNMP
Management Software	WLAN Controller, Industrial HiVision, LANConfig

#### Ambient conditions

MTBF (Telecordia SR-332 Issue 3) @ 25°C	287 Years
Operating temperature	-10-+60 °C
Note	Temperature of the surrounding air.

Storage/transport temperature	-40-+70 °C
Relative humidity (non-condensing)	10-95 %

## Mechanical construction

Dimensions (WxHxD)	50 mm x 148 mm x 123 mm
Weight	520g (0.92 oz)
Housing	Metal
Mounting	DIN rail mounting
Protection class	IP40

## Approvals

Basis Standard	CE, RED
Safety of information technology equipment	IEC 60950-1(ed.2) , IEC 60950-1(ed.2);am1 , IEC 60950-1(ed.2);am2 , EN60950-1
Transportation	EN 50121-4
Radio	EN 300 328 (2.4GHz), EN 301 893 (5GHz)

## WLAN Access Point

Access Point Functionality	Yes (Free selection between Access Point, Access Client and Point-to-Point functionality separately in software). Operates as Managed Access Point in combination with a controller (WLC).
----------------------------	--

## WLAN Client

Client / STA Functionality	Yes
----------------------------	-----

## WLAN Typical Receive Sensitivity

802.11n, 2.4 GHz, 20 MHz, MCS0	-93 dBm
802.11n, 2.4 GHz, 20 MHz, MCS7	-76 dBm
802.11n, 5 GHz, 20 MHz, MCS0	-93 dBm
802.11n, 5 GHz, 20 MHz, MCS7	-73 dBm

## Scope of delivery and accessories

Accessories	External antennas; Cables 2m, 5m, 15m;
Scope of delivery	Device, safety instructions, 2-pin terminal block for power supply , EU declaration of conformity , 2× 3dBi dual-band omni antenna

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.