



## Product information

### OpenBAT-F - BAT-FEUW99ACC99A05T6S999ZH09.12.5850

Industrial Ethernet:Industrial Wireless LAN:Devices:OpenBAT:OpenBAT-F

<http://dev-catalog.beldensolutions.com/link/57078-24455-49859-24497-202741-500769/en/BAT-FEUW99ACC99A05T6S999ZH09.12.5850/ui/state>

Name OpenBAT-F



Rugged wireless LAN access point and/or client for use in industrial environments. IP65/67 water and dust resistant, rugged metal housing deployment in the field.

#### Delivery informations

Availability available

#### Product description

Description Rugged wireless LAN access point and/or client for use in industrial environments. IP65/67 water and dust resistant, rugged metal housing deployment in the field.

Port type and quantity M12 - LAN combo port: 10/100/1000BASE-TX, 1000BASE-SX/LX; LAN port 10/100BASE-TX M12

Radio Standard IEEE802.11a/b/g/h/n WLAN interface as per IEEE802.11n, up to 450MBit/s gross bandwidth.

Type BAT-FEUW99ACC99A05T6S999ZH09.12.5850

Order No. BAT-FEUW99ACC99A05T6S999ZH09.12.5850

Supported Radio Standards 1st WLAN interface as per IEEE802.11n

#### More interfaces

Ethernet M12 - LAN combo-port: 10/100/1000BASE-TX, 1000BASE-SX/LX

Power supply/signaling contact 1 x terminal block, 2-pin; 1 x terminal block, 2-pin

V.24 interface Configuration interface (COM) AT modem connection For automatic P2P connections verified over V.24 (train carriage coupling) Serial gateway for WLAN or virtual COM interface via WLAN

USB interface 1 x M12 USB interface for connecting an ACA-USB-M12

#### Radio technology

Antenna connector N socket, 3 x MiMo antenna connectors

Range Depends on type of antenna, frequency range and data rate. Use the BAT-Planner for planning your wireless network.

Frequency band Supports 2.4 GHz and 5 GHz: 2400 -2483.5 MHz (ISM) and 5170 - 5850 MHz

Modulation 22M0F7D (DSSS/OFDM) at 2.4 GHz20M0G7D (OFDM) at 5 GHz

Encryption IEEE 802.11i / WPA2 with passphrase or 802.1x and hardware-accelerated AES, closed network, WEP64, WEP128, WEP152, user authentication, 802.1x / EAP, LEPS, WPA1/TKIP. Please refer to the HILCOS data sheet for further information.

#### Power requirements

Operating voltage Voltage Range 1: 24/36/48 VDC (18-60 VDC); Voltage Range 2: 24/36/48 VDC (18-60 VDC)

Current consumption 12.95 W

#### Ambient conditions

Operating temperature 0 °C ... 60 °C

Note Temperature of the surrounding air.

Storage/transport temperature -40 °C ... 85 °C

Relative humidity (non-condensing) 10 % ... 95 %

MTBF 58 years (MIL-HDBK-217F)

Protective paint on PCB No

#### Mechanical construction

Dimensions (W x H x D) 311 mm x 219 mm x 75 mm

Mounting Wall mounting

Protection class IP65, IP67

#### Approvals

Basis Standard CE

Safety of information technology equipment EN 60950-1

Radio RED-EN 300 328 (2.4 GHz), EN 301 893 (5 GHz), EN 302 502 (5.8 GHz), EN 301 489-1, EN 301 489-17

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**Scope of delivery and accessories**

<b>Scope of delivery</b>	Device, Installation user manual, CD/DVD with manual, V1 sealing cap for optical connection, Terminal cable, 2 x Power supply plug, 2 x Dust protection cap for power supply connection, 4 x M12 cap, Cover cap for N connector, 2 x 50 Ohm terminators, 3 x 3-dBi dipole dual-band antennas.
<b>Accessories to order separately</b>	External antennas; external surge protection; cables 2 m, 5 m, 15 m. Some countries does not allow all Antennas. For more information please have a look into the Hirschmann Antenna Guide; mast mount adapter

For more information please contact:

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