



## Product information

### OpenBAT-F - BAT-FEUWW9ACC99A05T6SA9DZH09.12.5850

Industrial Ethernet:Industrial Wireless LAN:Devices:OpenBAT:OpenBAT-F  
<http://dev-catalog.beldensolutions.com/link/57078-24455-49859-24497-202741-500769/en/BAT-FEUWW9ACC99A05T6SA9DZH09.12.5850/uistate>

Name	OpenBAT-F
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Rugged wireless LAN access point and/or client for use in industrial environments. Hardware encrypted VPN gateway supporting up to 5 VPN tunnels.IP65/67 water and dust resistant, rugged metal housing deployment in the field.

#### Delivery informations

Availability	available
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#### Product description

Description	Rugged wireless LAN access point and/or client for use in industrial environments. Hardware encrypted VPN gateway supporting up to 5 VPN tunnels.IP65/67 water and dust resistant, rugged metal housing deployment in the field.
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Port type and quantity	M12 - LAN combo port: 10/100/1000BASE-TX, 1000BASE-SX/LX; LAN port 10/100BASE-TX M12
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Radio Standard	IEEE802.11a/b/g/h/n WLAN interface as per IEEE802.11n, up to 450Mbit/s gross bandwidth.
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Type	BAT-FEUWW9ACC99A05T6SA9DZH09.12.5850
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Order No.	BAT-FEUWW9ACC99A05T6SA9DZH09.12.5850
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Supported Radio Standards	1st WLAN interface as per IEEE802.11n; 2nd WLAN interface as per IEEE802.11n
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#### More Interfaces

Ethernet	M12 - LAN combo-port: 10/100/1000BASE-TX, 1000BASE-SX/LX
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Power supply/signaling contact	1 x terminal block, 2-pin; 1 x terminal block, 2-pin
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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
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USB interface	1 x M12 USB interface for connecting an ACA-USB-M12
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#### Radio technology

Antenna connector	N socket, 3 x MiMo antenna connectors, 3 x MiMo antenna connectors
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Range	Depends on type of antenna, frequency range and data rate. Use the BAT-Planner for planning your wireless network.
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Frequency band	Supports 2.4 GHz and 5 GHz: 2400 -2483.5 MHz (ISM) and 5170 - 5850 MHzSupports 2.4 GHz and 5 GHz: 2400 -2483.5 MHz (ISM) and 5170 - 5850 MHz
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Modulation	22M0F7D (DSSS/OFDM) at 2.4 GHz20M0G7D (OFDM) at 5 GHz
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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.
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#### Power requirements

Operating voltage	Voltage Range 1: 24/36/48 VDC (18-60 VDC); Voltage Range 2: 24/36/48 VDC (18-60 VDC)
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Current consumption	17.5 W
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#### Ambient conditions

Operating temperature	0 °C ... 60 °C
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Note	Temperature of the surrounding air.
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Storage/transport temperature	-40 °C ... 85 °C
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Relative humidity (non-condensing)	10 % ... 95 %
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MTBF	58 years (MIL-HDBK-217F)
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Protective paint on PCB	No
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#### Mechanical construction

Dimensions (W x H x D)	311 mm x 219 mm x 75 mm
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Mounting	Wall mounting
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Protection class	IP65, IP67
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#### Approvals

Basis Standard	CE
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Safety of information technology equipment	EN 60950-1
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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, Terminalkabel, 2 x Power supply plug, 2 x Dust protection cap for power supply connection, 5 x M12 cap, 2 x Cover cap for N connector, 4 x 50 Ohm terminators, 6 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:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

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