



## Product information

### OpenBAT-F - BAT-FEUWW9ACCG9A05T6TA9PZH09.12.5850

Industrial Ethernet:Industrial Wireless LAN:Devices:OpenBAT:OpenBAT-F  
<http://dev-catalog.beldensolutions.com/link/57078-24455-49859-24497-202741-500769/en/BAT-FEUWW9ACCG9A05T6TA9PZH09.12.5850/uistate>

<b>Name</b>	OpenBAT-F
	
	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.
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	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.
<b>Port type and quantity</b>	M12 - LAN combo port: 10/100/1000BASE-TX, 1000BASE-SX/LX; LAN port 10/100BASE-TX M12
<b>Radio Standard</b>	IEEE802.11a/b/g/h/n WLAN interface as per IEEE802.11n, up to 450Mbit/s gross bandwidth.
<b>Type</b>	BAT-FEUWW9ACCG9A05T6TA9PZH09.12.5850
<b>Order No.</b>	BAT-FEUWW9ACCG9A05T6TA9PZH09.12.5850
<b>Supported Radio Standards</b>	1st WLAN interface as per IEEE802.11n; 2nd WLAN interface as per IEEE802.11n
<b>More Interfaces</b>	
<b>Ethernet</b>	M12 - LAN combo-port: 10/100/1000BASE-TX, 1000BASE-SX/LX
<b>Power supply/signaling contact</b>	1 x terminal block, 2-pin; 1 x terminal block, 2-pin
<b>V.24 interface</b>	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
<b>USB interface</b>	1 x M12 USB interface for connecting an ACA-USB-M12
<b>Radio technology</b>	
<b>Antenna connector</b>	N socket, 3 x MiMo antenna connectors, 3 x MiMo antenna connectors
<b>Range</b>	Depends on type of antenna, frequency range and data rate. Use the BAT-Planner for planning your wireless network.
<b>Frequency band</b>	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
<b>Modulation</b>	22M0F7D (DSSS/OFDM) at 2.4 GHz20M0G7D (OFDM) at 5 GHz
<b>Encryption</b>	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.
<b>Power requirements</b>	
<b>Operating voltage</b>	Voltage Range 1: 24/36/48 VDC (18-60 VDC); Voltage Range 2: 24/36/48 VDC (18-60 VDC)
<b>Current consumption</b>	17.5 W
<b>Ambient conditions</b>	
<b>Operating temperature</b>	-40 °C ... 70 °C
<b>Note</b>	Temperature of the surrounding air.
<b>Storage/transport temperature</b>	-40 °C ... 85 °C
<b>Relative humidity (non-condensing)</b>	10 % ... 95 %
<b>MTBF</b>	58 years (MIL-HDBK-217F)
<b>Protective paint on PCB</b>	No
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	311 mm x 219 mm x 75 mm
<b>Mounting</b>	Wall mounting
<b>Location of mounting</b>	Device supplied with corrosion-resistant shock protection for outdoor installation as per EN60950-22.
<b>Protection class</b>	IP65, IP67
<b>Approvals</b>	
<b>Basis Standard</b>	CE
<b>Safety of information technology equipment</b>	EN 60950-1
<b>Radio</b>	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
<b>Hazardous areas</b>	DEKRA 13ATEX0027 X; EN60079-0 : 2009; EN60079-15 : 2010; II 3 G Ex nA IIC T4 Gc



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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:

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