




## Product information

### OpenBAT-F - BAT-FAUWW9ACCI9A0599SC9D9H08.80.0204

<b>Industrial Ethernet:Industrial Wireless LAN:Chassis:OpenBAT:OpenBAT-F</b>	
<a href="http://www.e-catalog.beldensolutions.com/link/57078-24455-49859-24497-202741-400055/en/BAT-FAUWW9ACCI9A0599SC9D9H08.80.0204/uistate">http://www.e-catalog.beldensolutions.com/link/57078-24455-49859-24497-202741-400055/en/BAT-FAUWW9ACCI9A0599SC9D9H08.80.0204/uistate</a>	
<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 100 VPN tunnels.Substation EN61850, IEEE 1613IP65/67 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 100 VPN tunnels.Substation EN61850, IEEE 1613IP65/67 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
<b>Radio protocol</b>	IEEE802.11a/b/g/h/n WLAN interface as per IEEE802.11n, up to 450Mbit/s gross bandwidth.
<b>Type</b>	BAT-FAUWW9ACCI9A0599SC9D9H08.80.0204
<b>Order No.</b>	BAT-FAUWW9ACCI9A0599SC9D9H08.80.0204
<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: 24-48 VDC; Voltage Range 2: 24-48 VDC
<b>Current consumption</b>	17.5 W
<b>Ambient conditions</b>	
<b>Operating temperature</b>	0 °C ... 60 °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>Protection class</b>	IP65, IP67
<b>Approvals</b>	
<b>Safety of information technology equipment</b>	EN 60950-1
<b>Radio</b>	; EN 301 489-1, EN 301 489-17;Substation (EN61850, IEEE 1613)
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, User Manual, Installation Guide, CD ROM, M12 Adapter cable for serial interface, return dispatch note, 3x dual band stub dipole antennas, 3x 50 Ohm terminator connectors, 2 pin terminal block for signal contact, 2 pin terminal block for signal contact.



# HIRSCHMANN

A BELDEN BRAND

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

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49859-24497-202741-400055/en/BAT-FAUWW9ACCI9A0599SC9D9H08.80.0204/uistate>

**Accessories to order separately**

External antennas; external surge protection; cables 2 m, 5 m, 15 m; 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)

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.