Product information
OpenBAT-F - BAT-FUSWW9ACC99BO599T999ZH09.00.5103

Industrial Ethernet:Industrial Wireless LAN:Chassis:OpenBAT:OpenBAT-F	
https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49859-24497-202741-400055/en/BAT-FUSWW9ACC99BO599T999ZH09.00.5103/uistate	
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
Radio protocol	IEEE802.11a/b/g/h/n WLAN interface as per IEEE802.11n, up to 450MBit/s gross bandwidth.
Type	BAT-FUSWW9ACC99BO599T999ZH09.00.5103
Order No.	BAT-FUSWW9ACC99BO599T999ZH09.00.5103
Supported Radio Standards	1st WLAN interface as per IEEE802.11n; 2nd 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, 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 MHzSupports 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	17.5 W
Ambient conditions	
Operating temperature	-40 ℃ ... 70 ℃
Note	Temperature of the surrounding air.
Storage/transport temperature	-40 ℃ ... 85 ℃
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	
Safety of information technology equipment	EN 60950-1 ,
Radio	FCC; EN 301 489-1, EN 301 489-17
Scope of delivery and accessories	
Scope of delivery	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 × 3-dBi dipole dual-band antennas.

Accessories to order separately	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