



Product information

OpenBAT-F - BAT-FEUW99AP9KMAO5T6K999ZH09.12.5850

Industrial Ethernet:Industrial Wireless LAN:Devices:OpenBAT:OpenBAT-F	
http://dev-catalog.beldensolutions.com/link/57078-24455-49859-24497-202741-500769/en/BAT-FEUW99AP9KMAO5T6K999ZH09.12.5850/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-FEUW99AP9KMAO5T6K999ZH09.12.5850
Order No.	BAT-FEUW99AP9KMAO5T6K999ZH09.12.5850
Supported Radio Standards	1st WLAN interface as per IEEE802.11n
More interfaces	
Ethernet	M12 - LAN combo-port: 10/100/1000BASE-TX, 1000BASE-SX/LX
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: PoE power feed (48 VDC)
Current consumption	12.95 W
Ambient conditions	
Operating temperature	-40 °C ... 55 °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	Yes (conformal coating)
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
Railway norm	EN 50155
Employment in vehicles	E1



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Scope of delivery and accessories

Scope of delivery	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.
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:

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