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Product information
BAT450-F - BAT450-FEUW9LAW999AT699M999ZH09.12.5850

Industrial Ethernet:Industrial Wireless LAN:Devices:BAT450-F:BAT450-F	
http://dev-catalog.beldensolutions.com/link/57078-24455-49859-24497-458755-500718/en/BAT450-FEUW9LAW999AT699M999ZH09.12.5850/uistate	
Name	**BAT450-F**
	Dual Band Ruggedized (IP65/67) Industrial Wireless LAN Access Point/Client with IEEE 802.11n for installation in harsh environment.
Delivery informations	
Availability	available
Product description	
Description	Dual Band Ruggedized (IP65/67) Industrial Wireless LAN Access Point/Client with IEEE 802.11n for installation in harsh environment.
Port type and quantity	Interface1: - Ethernet port 1: 8-pin, X-coded M12 plug for 10/100/1000Mbit/s, PoE port (IEEE 802.3af);
Additional radio features	Integrated ESD protection, Clear Space
Type	BAT450-FEUW9LAW999AT699M999ZH09.12.5850
Order No.	942 142-999
More Interfaces	
Power supply/signaling contact	5-pin, A-coded M12 plug
Radio technology (WLAN)	
Radio Standard	IEEE 802.11a/b/g/n WLAN interface as per IEEE 802.11n, up to 450 Mbit/s gross bandwidth.
Antenna connector	3 × N socket for each WLAN module
Range	Up to 20 km (depending on antenna used, frequency range and data rate)
Frequency band	Supports 2.4 GHz and 5 GHz: 2400 -2483.5 MHz (ISM) and 5170 - 5850 MHz
Modulation	20M0F7D (DSSS/OFDM) @ 2.4 GHz, 20M0G7D (OFDM) @ 5 GHz, MCS 0 - MCS23
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.
Radio technology (Cellular)	
Antenna connector	3 x N socket
Antenna Configuration	Main + Aux (Div. for 2G/3G and MIMO 2x2 for LTE) + GNSS
Frequency band	Quad Band EDGE/GSM/GPRS (2G): 1900/1800/900/850 MHz; Quad Band UMTS/HSPA (3G): 2100/1900/850/900 MHz FDD-Band (1, 2, 5, 8); Penta Band LTE (4G): 2100/1800/2600/900/800 MHz FDD-Band (1, 3, 7, 8, 20)
Transfer Rate (max)	LTE Cat.3: 100 Mbit/s Download, 50 Mbit/s Upload
SIM-cards	Two SIM card holders/slots, Dual-SIM fail over functionality • Switch SIM on disconnect;• Switch SIM on remaining data volume
GNSS	Satellite Systems : GPS, GLONASS
Power requirements	
Operating voltage	Voltage Range 1: 24 VDC (16.8...32 VDC)
Power consumption	Maximum power consumption with 1 WLAN Module: 9,95 W
Ambient conditions	
Operating temperature	-30 ℃ ... 70 ℃
Software	
Software features	High performance operating system for the Hirschmann BAT products. Supports all WLAN functions, routing, firewall, VLAN, remote access, and redundancy. IPv6 in preparation. All BAT450-F devices operate as either standalone access points or as managed access points in combination with a BAT WLC Controller. Please refer to the HiLCOS data sheet for further information
Mechanical construction	
Dimensions (W x H x D)	261 mm x 189 mm x 55 mm
Mounting	Wall mounting. Mast/Pole mounting – set available separately
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

Scope of delivery and accessories	
Scope of delivery	1 × premounted protection cap (M12, plastic) for supply voltage connection; 3 × per WLAN Module premounted protection cap (7/8"", plastic) for N socket depending on device configuration; 3 × per WLAN module Antennas (BAT-ANT-N-3AGN-IP67); 2 x per WLAN module 50 Ω terminators for closing free antenna connections; 1 × or 2 × Included X-coded M12 plug for Ethernet port 1 and/or Ethernet port 2; 1 × Included M12 power supply plug ELKA 5012 PG7 (limits temperature to -25°C); 0 × or 1 × Included Terminal cable: M12 plug, 4-pin, A-coded Applies to device variants with V.24 interface
Accessories to order separately	External antennas; External surge protection; Cables 2m, 5m, 15m; 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