


## Product information

### BAT450-F - BAT450-FEUEWW9AW999AT699T999ZH09.12.5850

Industrial Ethernet:Industrial Wireless LAN:Devices:BAT450-F:BAT450-F

<http://dev-catalog.beldensolutions.com/link/57078-24455-49859-24497-458755-500718/en/BAT450-FEUEWW9AW999AT699T999ZH09.12.5850/uistate>

Name	BAT450-F
	
	Dual Band Ruggedized (IP65/67) Industrial Wireless LAN Access Point/Client with IEEE 802.11n for installation in harsh environment.
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
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-FEUEWW9AW999AT699T999ZH09.12.5850
Order No.	942 142-999
<b>More interfaces</b>	
Power supply/signaling contact	5-pin, A-coded M12 plug
<b>Radio technology (WLAN)</b>	
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.
<b>Power requirements</b>	
Operating voltage	Voltage Range 1: 24 VDC (16.8...32 VDC)
Power consumption	Maximum power consumption with 2 WLAN Modules: 12,5 W
<b>Ambient conditions</b>	
Operating temperature	-40 °C ... 70 °C
Note	Temperature of the surrounding air.
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF	142 years (Telcordia SR-332 Issue 3, January 2011), Gb 25°C
Protective paint on PCB	No
<b>Software</b>	
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
<b>Mechanical construction</b>	
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
<b>Approvals</b>	
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
<b>Scope of delivery and accessories</b>	
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

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	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
<b>Accessories to order separately</b>	External antennas; External surge protection; Cables 2m, 5m, 15m; Mast mount adapter

For more information please contact:

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