


Product information BAT450-F - BAT450- FEUW99AW999AT6V4T999ZH09.12.5500

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

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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); Interface2: - V.24/ACA11: 4-pin, A-coded M12 socket
Radio protocol	IEEE 802.11a/b/g/n WLAN interface as per IEEE 802.11n, up to 450 Mbit/s gross bandwidth.
Additional radio features	Integrated ESD protection, Clear Space
Type	BAT450-FEUW99AW999AT6V4T999ZH09.12.5500
Order No.	942 142-999
More Interfaces	
Power supply/signaling contact	5-pin, A-coded M12 plug
V.24 interface	M12, A-coded, V.24/ACA11 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; interface to connect the AutoConfiguration Adapter; ACA11 storage medium
Radio technology	
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.
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	-40 °C ... 70 °C
Note	Temperature of the surrounding air.
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF (Telcordia)	35.6 years; Telcordia SR-332; Gb 25°C
Protective paint on PCB	No
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	R and TTE; EN 300 328 (2.4 GHz); EN 301 893 (5 GHz)

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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; 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:

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