

BAT450-F

INDUSTRIAL WIRELESS LAN ACCESS POINTS



Ruggedized and compact design means the wireless access points can be deployed in a variety of harsh environments and mounting areas.



Secure operating **system ensures maximum network availability and data security** across wireless connections with HiLCOS software.



Custom configurations and interfaces for the unique needs of industrial networks to confidentially maintain connection uptime.

Easily expand and secure your network, especially in harsh industrial environments where space is a premium, with powerful wireless access points.

Key Features

- Configurable design for maximum flexibility and modular network interfaces
- WLAN radio versions comply with the IEEE 802.11 a/b/g/n WLAN standard
 - Also enables data rates up to 450 Mbit/s in both the 2.4 GHz and 5 GHz bands via 3 x MIMO antenna technology
- Ethernet ports, including X-coded M12 connector technology (IP67 version), support 10/100/1000BASE-TX data rates
- Power input via 24 V DC and Power over Ethernet (PoE) (802.3af)
- Automatic point-to-point connections through Automatic Wireless Distribution System (AutoWDS) function
- Operates at an extended temperature range (-40 °C to +70 °C)
- Protection Class IP65/IP67



Software Features

- Simple deployment through AutoWDS
- Enhanced security via Wireless Intrusion Detection System (WIDS), Protected Management Frames (PMF), Layer 2 firewall with Stateful Packet Inspection (SPI) and Wi-Fi Protected Access (WPA)
- Zero network failover with Parallel Redundancy Protocol (PRP)
- Opportunistic Key Caching (OKC) reduces roaming times with WPA2 Enterprise
- Extensive management functions via LANconfig, LANmonitor, WLANmonitor and Industrial HiVision
- Frequency analysis identifies potential disruptions in the 2.4 GHz and 5 GHz band
- Ideal for use with all access points and WLAN clients of the OpenBAT platform, as well as for BAT-Controllers

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BAT450-F

INDUSTRIAL WIRELESS LAN ACCESS POINTS



Your Benefits

Flexible Deployment and Modular Interfaces

The BAT450-F family of industrial access points provides a complete wireless solution offering WLAN, Ethernet and Wireless Wide Area Network (WWAN) Interfaces. These wireless devices can operate as an Access Client, Access Point or managed Access Point in combination with the BAT-Controllers. Through these access points, network managers can quickly set up a wireless network infrastructure through the AutoWDS.

The BAT450-F is designed to support Industrial IoT (IIoT) and wide area network (WAN) functionality through its modular/extension interface.

Applications

The BAT450-F access points are ideal for use by industrial engineers in transportation environments, specifically the railway industry. It can also benefit industrial applications in other industries where space and operating conditions are a primary concern.

- Simultaneous voice and data communication
- Low weight and small footprint for mounting on walls and masts or in confined spaces
- Deployable as clients, routers or bridges
- Performs well in extreme conditions in transportation, process automation and energy applications

Markets

Ideal for use in transportation network environments as well as in the process automation area. Further possible application areas: power transmission and distribution, machine building, water and wastewater, food and beverage, mining, solar and wind power, and oil and gas.

The five core BAT450-F access point configurations include:

- 1 x WLAN / 1 x ETH / 1 x serial interface (V.24)
- 1 x WLAN / 2 x ETH / 1 x serial interface (V.24)
- 2 x WLAN / 1 x ETH / 1 x serial interface (V.24)
- 2 x WLAN / 2 x ETH / 1 x serial interface (V.24)
- 1 x WLAN / 1 x ETH / 1 x LTE / 1 x serial interface (V.24)



The new BAT450-F family of WLAN access points features an industrially hardened, yet compact, design that can be customized to support a variety of wireless and wired connections.

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