

HiLCOS WLAN Software for BAT Devices

Industrial WLAN Protection

PRODUCT BULLETIN 

HiLCOS 
The **Hirschmann™** BAT Operating System

Free firmware offers maximum protection and stability for reliable and secure wireless connections in time-sensitive industrial environments.

- **Ultimate Security:** Protect even the largest of networks with the newest, industry leading Wi-Fi encryption standard
- **Increased Uptime:** Achieve low latency, less interruption and faster roaming speeds in critical logistics and transportation applications
- **Cross-vendor Compatibility:** Maximize existing infrastructure investments by connecting Hirschmann BAT devices to it and profiting from industrial-grade fast roaming



Key Features

Wi-Fi Protected Access (WPA3) encryption provides industry leading security

- 802.11ac (Wi-Fi 5) chipsets enable high-mobility deployments in high-density environments
- 802.11k/v/r provides fast roaming and interruption-free communication
- BAT Controller Virtual supports flexible and scalable network virtualization
- WLAN Layer 3 tunneling directs traffic through existing infrastructure without use of complex VLANs
- Future-proof IKEv2-VPN connections to heighten efficiency and encryption performance
- LANConfig tool suite quickly identifies and configures all HiLCOS devices on the network

HiLCOS WLAN software, which comes free of charge with Hirschmann's BAT family of routers and wireless devices, offers enhanced security and high mobility for industrial environments with complex moving applications, such as robots, AGVs or rail/metro cars.

Your Benefits

The HiLCOS WLAN software from Hirschmann provides industrial networks with the most secure network connections possible, while simultaneously providing strong Wi-Fi communication for critical and time-sensitive applications.

HiLCOS firmware is designed to support networks of all sizes and can scale to any level of connection points needed. From hundreds to thousands of networked devices, the software is scalable and future-proof for growing networks and rising security threats.

In addition to getting ahead of the security curve with the highest WPA3 industry standard, the software is built on open international standards and technology, and then tested to ensure full compatibility and support of any existing infrastructure or vendor hardware.

HiLCOS WLAN comes with an ecosystem of free support tools, including Industrial HiVision, LANConfig and WLANmonitor. With these tools, it's easy to quickly identify, configure and monitor all HiLCOS devices on the network.

All HiLCOS WLAN software updates are free of charge with the purchase of any BAT products. The software is also backwards compatible, enabling upgrades of existing BAT hardware with the latest HiLCOS features and benefits. The following Belden products are supported: BAT867-R, BAT867-F, BAT450-F, BAT-F, BAT-R and BAT Controller Virtual.

Applications

The HiLCOS software is ideal for use in industrial environments where engineers, integrators, and plant operators need the network to reliably communicate across long distances, high mobility, or in harsh environments.

Specific applications include:

- Seamless connectivity to prevent lost connections between robots or autonomous guided vehicles (AGVs).
- Reliable roaming to reduce downtime for city transit and railway applications.
- Constant network communication for automated material handling storage and retrieval systems.

Markets

Many vertical markets can benefit from the software's reliability and security features, including transportation (railways), material handling and factory automation, and logistics and distribution.

