



# HIRSCHMANN

A Belden Company

## ***New IP40-WLAN-System BAT54-Rail from Hirschmann Designed for tough ambient conditions***

Hirschmann Automation and Control GmbH, Neckartenzlingen, has extended its product range to include the new IP40-WLAN-System BAT54-Rail. This system can be used as both Access-Point and Access-Client, and supports all current operating modes such as Bridge, Point-to-Multipoint, or infrastructures. Further characteristics include extensive management, security and quality-of-service functions. Due to its robust design, the BAT54-Rail is suitable for use in the field of production, as well as under tough ambient conditions such as in wind energy plants or road tunnels.

The WLAN system with two radio modules, which each have two antenna connections and can be mounted on top hat rails, is designed for a temperature range of -20 to +50 degrees Celsius. It also fulfils all requirements with regard to shock and vibration resistance, as well as electromagnetic compatibility. Operational safety is improved by a five-way redundant power supply (two 24-volt connections, two 48-volt connections and one 12-volt connection).

The transfer rate in either 5 GHz or 2.4 GHz band as desired, is up to 108 Mbit/s per radio module. The Fast-Roaming-Function enables uninterrupted connection while switching from one radio cell to another. Redundant WLAN and LAN interfaces ensure secure transfer, as well as an extensive antenna range with a total of six different round-beam and sector antennas.

The BAT54-Rail supports all standardized encryption and authentication procedures in accordance with IEEE 802.11i and 802.1x. With an integrated Firewall and IP-Router and DHCP-Server installed as standard, network segments, for example, can be separated and securely protected.

The configuration and diagnosis of the WLAN system can take place either via a browser (Web-based Management), TELNET or Windows-based software, which supports Rogue-AP-Detection. The Quality of Service functions in accordance with IEEE 802.11e enable, among other things, a prioritization for Voice or Videostreams.

## **PRESSRELEASE**

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***Hirschmann 's BAT54-Rail***

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