

New certifications for WLAN devices for Belden's range of Hirschmann™ products: approved for use in the ex zone

Belden's WLAN access points and clients belonging to the Hirschmann™ BAT54-Rail and BAT300-Rail series of products now have both ATEX IEC/EN 60079 Zone II and ISA 12.12.01 Class 1 Div 2 certification. Equipped with suitable protective cases, they can be used anywhere in the world in potentially explosive environments such as oil, gas or mining industries. Mountable on top-hat rails, these devices are also flexible enough for a wide range of applications, such as installation in control cabinets or distribution boxes. What's more, in combination with BAT WLC controllers, they can be centrally configured and managed.

Compliant with protection class IP40, BAT300-Rail access points support the IEEE802.11n (300 Mbit/s) wireless communications standard as well as MIMO technology ensuring a stable wireless connection even in case of hindrances such as reflections. The BAT54-Rail devices have up to two radio modules, operating at either 5 GHz or 2.4 GHz. An economically-priced version with a single WLAN interface is also available.

Both device series support all standardized encryption procedures in accordance with IEEE 802.1x standard. Integrated firewalls and IP routers enable network segments to be isolated and reliably safeguarded. It is also possible to connect both analog and DSL modems, for WAN routing or remote maintenance purposes.

Further features include comprehensive management and QoS functions, fast roaming and a high level of resistance to shock and vibrations.

All access points and clients have a robust metal case measuring 80 mm x 100 mm x135 mm (H x W x D). The temperature range extends from -30°C to +50°C. Maximum operational reliability is further ensured through quintuple power supply redundancy (2 x 24 V DC and 48 V DC PoE and 1 x 12 V DC).

Through acquisition of the two new certifications, Belden is further extending the range of potential WLAN applications. "The BAT product portfolio now offers a maximum level of safety, performance and flexibility for all applications in potentially explosive environments", says product manager Olaf Schilperoord, and adds: "This applies to extensive networks managed by controllers just as much as to local installations."

Belden

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About Belden

Belden®: Sending All the Right Signals™

Belden designs, manufactures and markets signal transmission solutions, including cables, connectors and I/O modules, wireless network systems as well as network devices and control, load sensing and load moment limitation systems designed for safety-critical applications ranging from industrial automation to data centers, broadcast studios and the aviation and aerospace industry. The company



focuses on segments of the worldwide cable and automation markets that require both highly specialized and readily available products. With manufacturing facilities in North America, Europe and Asia, Belden has recorded a total revenue of USD 1.62 billion for the fiscal year 2010.

Together with its brands Hirschmann™ and Lumberg Automation™, Belden offers an extensive and highly specialized product portfolio covering the full range of data communications – from the information and control levels down to the field level. The company has more than 15 offices throughout Europe, the Middle East and Africa, with manufacturing facilities in Czech Republic, Germany, the Netherlands, UK, Denmark, Italy and Hungary.

For more information about Belden, please visit www.beldensolutions.com or e-mail inet-sales@belden.com for product inquiries.
