HIRSCHMANN
A BELDEN BRAND

WLAN Access Point
BAT300-Rail

New: the first industrial WLAN access point with 802.11n modem – for absolutely reliable use with high bandwidth coverage in harsh environments.

VLAN Acces
Point

HIRSCHMANN
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Faster, better and more rugged: the new BAT300-Rail with 802.11n modem.

The BAT300-Rail WLAN access point, in combination with the 802.11n transceiver, creates the platform for the next WLAN generation in industrial environments. Using all new technology, the new BAT immediately achieves enhanced performance and bandwidth – even under extremely challenging conditions. Hirschmann™, for the first time, has achieved WLAN performance that eclipses that of Fast Ethernet, while offering an absolutely future-proof, wireless transmission solution with even better coverage.

- Higher radio performance with a bandwidth of up to 300 Mbps
- New antenna technology that increases bandwidth (MIMO and multipath) via reflection
- Clear improvement in bandwidth and ruggedness – especially in industrial environments

3 antennas for transmitting and receiving

WLAN access point for DIN rail mounting

Rugged metal case, extended temperature range, high resistance to vibration and interference

Secure operation thanks to 5-times redundant power supply (24 V, PoE acc. 802.3af, 12 V)

Maximum security: IEEE 802.11i/ PSK and IEEE 802.11i/Enterprise

High bandwidth with WLAN acc. 802.11n, operation in 2.4 GHz or 5 GHz, can also be used in mixed 802.11a/b/g/h networks

Extremely powerful operating system with integrated IP router, firewall, RADIUS server and 802.1x authentication

Integrated serial gateway

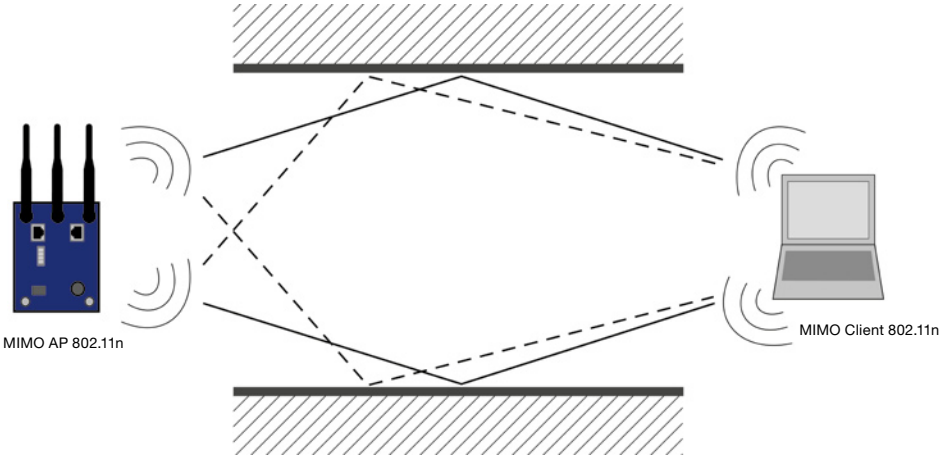
Remote configuration and access via V.24 and DSL

A clear signal for the future: the new 802.11n transmission standard.

With the BAT300-Rail, Hirschmann™ is introducing the first product with 802.11n transceiver to the industrial market.

The new technology is especially impressive in industrial environments afflicted with a high degree of reflection, where – contrary to previous WLAN technologies – reflection can, for the first time, ensure a significant increase in bandwidth and ruggedness. 11n technology offers clear benefits in terms of improved transmission characteristics and better transmission security. And, thanks to the device's low consumption, the 802.3af Power over Ethernet Standard can also be used.

Through the first-time application of state-of-the-art 802.11n technology in an industrial-strength access point, Hirschmann™ is opening up all new perspectives in wireless signal transmission in industrial environments. BAT300-Rail is the precursor for a new product family from the Hirschmann™ WLAN experts.



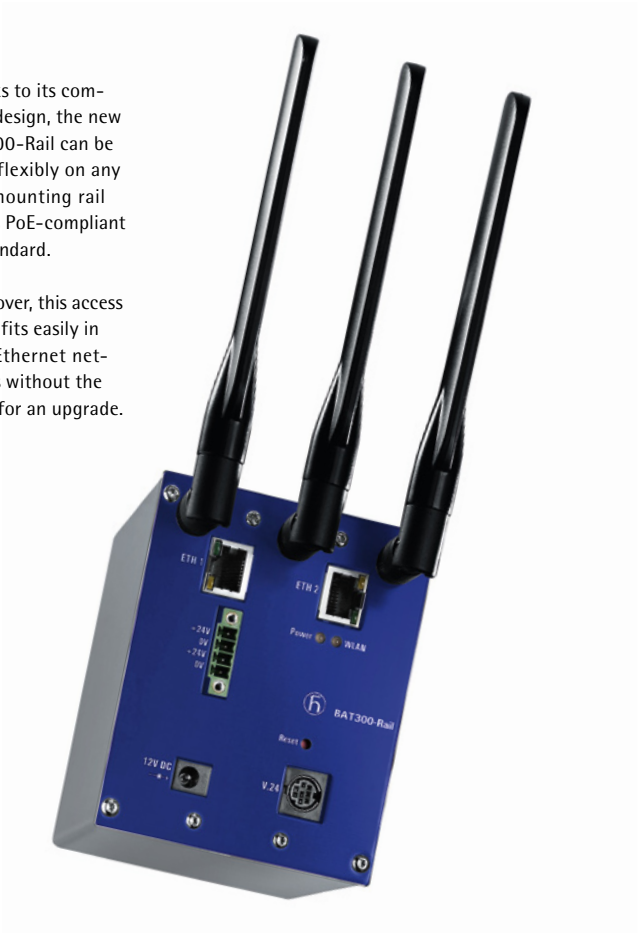
With MIMO (Multiple Input Multiple Output) technology, several transmission and reception antennas are used from the transmitter and receiver, to increase performance and bandwidth.

MIMO (Multiple Input Multiple Output)

- Use of multipath transmission with reflection
- 3 antennas for transmission and reception ensure more stable network coverage with less shadow areas
- Use of 20 MHz or 40 MHz wide channels

Thanks to its compact design, the new BAT300-Rail can be used flexibly on any DIN mounting rail and is PoE-compliant as standard.

Moreover, this access point fits easily in Fast Ethernet networks without the need for an upgrade.



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Printed in Germany

DS 280 720-090 Edition 10/2008