



HIRSCHMANN

A **BELDEN** BRAND

Product Bulletin

PB 1039AG

Hirschmann™ BAT-C, IP67 Wireless Client

A highly compact and cost effective WLAN Client designed for industrial applications.



The New BAT-C WLAN Client Delivers the Best Low-cost Solution in Industrial Environments Where Space is at a Premium.

- BAT-C is extremely cost-effective as it only offers those features requested by a typical industrial WLAN application.
- Its compact dimensions make it an ideal solution when space is at a premium.

The BAT-C WLAN Client is a simple and a highly compact client. Developed specifically for industrial projects and installations that require a large number of low feature clients, the feature set has been reduced to an absolute minimum. The BAT-C client is small enough for use in applications where space is at a premium.

Applications

The low featured BAT-C WLAN Client is particularly suited for System integrators and OEM manufacturers who wish to integrate the client into their specific industrial end solution. Key examples include installations in warehouses and/or production environments with low requirements for authentication and networking features.

In wireless mobile applications, using the BAT-C makes it possible to introduce wireless and all the inherent benefits. In a warehouse,

the BAT-C can be mounted into all drawers, so they can be moved and controlled in the most sophisticated way, with a wireless network link. Thanks to the client's compact format, storage space can be kept to a maximum.

The BAT-C Client is also highly suited for transportation applications – as it can be mounted into cars and vehicles and/or public transport applications. The compact dimensions of the BAT-C provides easy placement into the roof structure of buses. The small size facilitates the use of WLAN for fast transmission of videos, ticketing data or customer information.

Customer Benefits

The key benefits of the BAT-C client include its low cost – thanks to the reduced feature set. You only pay for the client function, without having to purchase a range of features that are not required. Another important benefit is the BAT-C's compact size. The BAT-C can be placed in extremely small spaces, leaving plenty of room for other devices, without interfering with them.

A new product to
serve your needs.
Be certain.



Hirschmann™ BAT-C WLAN Client delivers a wireless solution that is both practical and cost effective.

BAT-C IP67 Wireless Client

The BAT-C WLAN Client comes complete with the following interfaces:

- WLAN 802.11n, one antenna connector (max. 150 Mbps)
- Power supply 24 V
- Integrated web interface for basic configurations
- Max. security level is WPA2/PSK
- Fast roaming support

The client was designed for industrial use and is able to operate within an extended temperature range. The IP67 housing and 24 V power supply makes the client suitable for most industrial environments and allows it to be used together with Belden cables; switches; routers; and connectors.

The Belden® Competence Center provides consulting, training, and support for these products.



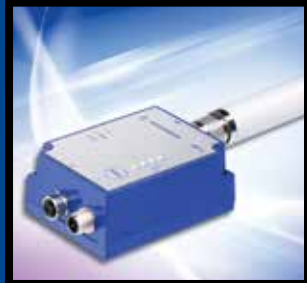
BAT-C is certified for vehicles and provides reliable and simple WLAN connectivity.



BAT-C is small and can be mounted in tight spaces.

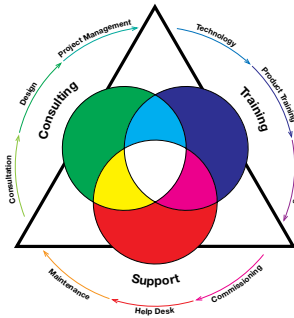


BAT-C is rugged and small and can be used for automating the operation of different installations e.g warehouses.



Technical Information

Product Description	
Type	BAT-C
Description	Industrial Wireless LAN Client for 2.4 GHz and 5 GHz operation
Port Type and Quantity	1x 802.11n/a/b/g/h/i; 1x 24 V DC; 1x 100 Mbps Ethernet (M12)
Order-No.	942 072-001
Radio Technology	
Antenna Connector	N-Type female
Range	Depending on type of used external antenna. Typical 30 m indoors, up to 10 km outdoors.
Frequency Band	2.4 GHz and 5 GHz
Modulation	OFDM, DSSS
Radio Topology	Wireless LAN Client
Power Requirements	
Operating Voltage	9 – 30 V
Current Consumption at 24 V DC	max. 81 mA
Ambient Conditions	
Operation Temperature	-40°C to +70°C
Storage/Transport Temperature	-40°C to +85°C
Relative Humidity (non-condensing)	5 – 90%
Mechanical Construction	
Dimensions (LxWxH)	approx. 11 cm x 6 cm x 5 cm
Mounting	Wall or Table mounting
Protection Class	IP67
Approvals	
Safety of Information Technology Equipment	EN 60950-1:2006 and/or IEC 60950-1:2005 (2nd Edition)
Radio	R&TTE (Europe), FCC/CFR 47 part 15; IC (Industry Canada)
Environmental	R&TTE Directive 1999/5/EC <ul style="list-style-type: none"> • EN 300 328 V1.7.1 (2006-10), EN 301 893 V1.5.1 • EMC: EN 301 489-1 V1.8.1 (2008-04), EN 301 489-17 V2.1.1 (2009-05), EN 61000-6-2 (2005)
For Use in Vehicles and Cars	E1/e1
Scope of Delivery and Accessories	
Scope of Delivery	Device, dualband dipole omnidirectional antenna
Accessories to Order Separately	External Antennas out of the BAT-ANT portfolio



The Hirschmann Competence Center

Hirschmann provides an economical end-to-end solution for your network. In addition to its well-known products, Hirschmann also offers a wide range of vendor-independent services - whether it is consulting, training or support. At the Hirschmann Competence Center, you can be sure of tailored service from a single supplier.

Whichever technology you use, our experts will support you all the way, from designing your network to optimizing the performance required in the operational phase. The most current technological and product expertise, an international service and support network and fast access to external specialists guarantees you the best possible support. Bundle your individual service package today!

Always the Right Solution

Belden is the world's leading supplier of signal transmission solutions including cable, connectivity and active components for mission-critical applications ranging from industrial automation and alternative power generation through to professional broadcasting. Belden offers an extensive portfolio of highly specialized products for steering, control and field level, which the company produces and markets under its proprietary Belden®, Hirschmann™, and Lumberg Automation™ brands. We would be glad to give you a more personal introduction to our integrated product palette for industrial applications and the worldwide Belden Service

You will find further information and technical details online at www.belden.com/hirschmann or contact our Sales Team directly: **Tel. 510-438-9071**.