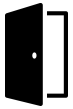


B-LINK



Ecosystem

Bravis Intelligence's **proprietary long-range wireless system** — engineered for **secure, large-scale** deployments where **cabling isn't viable**.



Monitor **doors** And other **inputs** from **2+ km away**



Long range security panel **inputs** (e.g. card readers)



Trigger other **outputs** (Eg: lights, sirens, doors) from **2+ km away**



Secured with **256-bit encryption**

Security Without Boundaries

Extend protection beyond 2 km with B-LINK's encrypted long-range wireless network.

Built by Technicians, for technicians. Recognising the gap in the industry for cost-effective long-range detection without the need for cabling, we designed B-Link as the cost-effective solution. Now, large-scale security monitoring is more affordable, efficient, and reliable than ever.



Bravisintel.com



07 3102 0724



Info@Bravisintel.com

BRAVIS
INTELLIGENCE

B-LINK Ecosystem

The B-LINK ecosystem is a long-range wireless platform designed to strengthen and extend security infrastructure across complex sites. POINT field devices accept virtually any input and communicate directly with the BASE, which integrates seamlessly with your existing access-control or monitoring systems. Expand your protection without the limitations, cost, or disruption of cabling.

POINT & POINT IO BL-P01 & BL-IO01

Model	POINT BL-P01	POINT IO BL-IO01
Communication	B-LINK encrypted long-range wireless (two-way) with BASE - 433MHz	B-LINK encrypted long-range wireless (two-way) with BASE devices and Bluetooth to B-TAG's
Frequency	433 Mhz and 2.4Ghz	
Typical wireless range*	More than 2000m line-of-sight (site + antenna dependent) - 5x more distance than other products (Good penetration through concrete, wood etc.)	
Inputs	1 supervised input for external detectors/triggers	2 x supervised inputs
Outputs		2 x outputs (dry contact)
Power Supply	3.3V Battery	10-24 VDC wide-range input (panel, PSU or B-LINK Solar Kit)
Battery Life/Current consumption	2-year battery expectancy (dependent on setup of device)	200 mA @ 12 V (typical, excluding external loads)
Status/Operation LEDs	Green: Transmission indication Blue: Setup mode	Green: Transmission indication Blue: Setup mode Red: Output status
Configuration	Web GUI	
Statuses Monitored	Alarm, seal, tamper, battery level	Alarm, seal, tamper, 2 relay outputs
Mounting type	Indoor use only - optional conduit mount	
Ambient temperature	0 °C to +60 °C	
Supervision/heartbeat	Adjustable heartbeat intervals (will affect battery life) - 1 Min to 180 mins	
Dimensions (mm)	51 x 71.5 x 22	64.5 x 117.5 x 38
Weight (approx.)	100 g	150 g
Optional Accessories	Conduit bracket, external antenna, reed switch + magnet	Conduit bracket, external antenna

* With correct antenna placement and site-Interference dependent



BASE BL-B01

Model	BASE BL-B01
Communication	AB-LINK encrypted long-range two-way wireless with all POINT/POINT I0 devices
Frequency	433 MHz and 2.4 GHz
Typical wireless range*	More than 2000 m line-of-sight (site + antenna dependent) - 5x more distance than other products
Devices	16 x Wireless B-Link Point Devices connections
Inputs	8 x physical inputs for triggering remote Point Device Outputs
Outputs	16 x outputs (configurable to alarm-panel resistance)
Supply power	10–15 V DC
Current consumption (typ.)	250 mA @ 12 V (average)
Display	Front OLED display for input/connection statuses and other settings
Configuration	Web GUI + DIP Switches
Status monitoring	16 outputs – alarm, seal, tamper (configurable for different resistances), master heartbeat alarm, master battery low
Integration	Low-level + high-level interfaces, B-SENSE tracking, MQTT messaging
Mounting type	Indoor – control room, comms room or secure cabinet
Ambient temperature	0 °C to +60 °C
Supervision/heartbeat	Full supervision of all devices; Times based on programming on the POINT device
Data Encryption	256-bit encryption
Dimensions (mm)	51 x 71.5 x 22
Weight (approx.)	300 g
Accessories	Antenna + power terminal plug, Wiegand extension module

* With correct antenna placement and site-Interference dependent



Wireless Integration and Control

System Overview

B-LINK: Advanced Wireless Alarm Integration Platform

- Secure, long-range wireless communication for alarm and automation systems
- Designed for retrofit, large-scale, or infrastructure-constrained deployments
- Seamlessly connects sensors, outputs, and access devices without trenching

Security and Communication

Data Encryption

256-bit AES Encrypted Communication

- Prevents tampering, spoofing, and eavesdropping
- Ensures secure over-the-air configuration and control
- Enterprise-grade protection for all data flows

Wireless Range

>2km Line-of-Sight Range

- Ideal for remote gates, site boundaries, or multi-building deployments
- Maintains stable connection across open or semi-obstructed terrain
- Supports concurrent transmission across large areas

Inputs and Outputs

Input Handling

8 x Low-Level Inputs

- Supports reed switches, PIRs, door contacts, roller doors
- Independently mapped and programmable
- Monitored or non-monitored support

Output Control

16 x Programmable Output Triggers

- Trigger sirens, lights, camera presets, or gates
- Logic can be driven by internal events or MQTT rules
- Fully user-configurable timing and conditions

Alarm System Compatibility

Integrated Resistor Support

Out-of-the-box compatibility with Gallagher, Integrity, and T-Com

- Embedded EOL resistor circuits
- Clean interface with legacy or current alarm panels
- No external resistor boards or adapters required

Alarm System Compatibility

Wiegand Expansion

Wireless Wiegand Reader Support

- Deploy access control in remote locations
- Pair card readers with Gallagher, Integrity, etc.
- Cable-free credential entry

Visibility and Monitoring

Live Display

Onboard LCD on Transmitter

- Immediate system diagnostics on-site
- Ideal for install validation and service checks

Health Monitoring

Heartbeat + Battery Diagnostics

- Alerts for comms loss or low voltage
- Enables proactive maintenance
- Status reportable via MQTT or display

Visibility and Monitoring

Logging

Local SD Card Logging

- Offline capture of system activity
- Event-based and time-stamped logging
- Used for audits, diagnostics, or insurance

Cloud and Ecosystem Integration

MQTT Interface

Real-Time Data Streaming

- Supports automation, alerting, and reporting
- Lightweight, secure and flexible

B-SENSE Integration

Expand into Tracking and Environmental Monitoring

- Add asset-level location awareness
- Detect heat, vibration, motion and more
- Fully interoperable with B-LINK infrastructure

B-Link Defender Integration

Seamlessly activate B-LIGHT units based on any alarm or system trigger

- Integrates directly with B-LINK outputs
- Supports up to 4 user-defined groups
- Fully configurable warning phases with distinct siren and strobe timing

B-LINK Ecosystem

The B-LINK ecosystem is a long-range wireless platform designed to strengthen and extend security infrastructure across complex sites. POINT field devices accept virtually any input and communicate directly with the BASE, which integrates seamlessly with your existing access-control or monitoring systems. Expand your protection without the limitations, cost, or disruption of cabling.

Model	POINT BL-P01	POINT IO BL-IO01	BASE BL-B01
Communication	B-LINK encrypted long-range wireless (two-way) with BASE - 433MHz	B-LINK encrypted long-range wireless (two-way) with POINT devices and tags	B-LINK encrypted long-range wireless (two-way) with all POINT / MINI devices
Typical wireless range*	More than 2000m line-of-sight (site + Antenna dependent) 5x more distance than other products		
Inputs	1 supervised input for external detectors / triggers	2 x supervised inputs	8 x Physical inputs for triggering outputs
Outputs		2 x outputs (dry contact)	16 x outputs (Configurable to alarm panel resistance)
Supply power	3.3V Battery (typical two year battery expectancy)	POINT IO: 10-24 VDC / BASE: 10-15 VDC wide-range input (panel, PSU or B-LINK Solar Kit)	
Current consumption (typ.)		200 mA @ 12 V (typical, excluding external loads)	250 mA @ 12 V (typical, excluding external loads)
Status / Operation LEDs	Green: Transmission indication Blue: Set up mode	Red: Outputs	Front-Display for input/connection statuses
Configuration	Web GUI	Web GUI	Web GUI + DIP Switches
State	Alarm, seal, tamper, Battery level	Alarm, Seal, tamper, 2 relay outputs	16 outputs - Alarm, seal, tamper (configurable for different resistances), master heartbeat alarm, master battery low
Integration			Low level + High level interface, B-SENSE tracking, MQTT messaging
Mounting type	indoor – on wall, or structure near protected device	Indoor – next to alarm panel, PSU or equipment rack	Indoor – control room, comms room or secure cabinet
Ambient temperature	0 °C to +60 °C	0 °C to +60 °C	0 °C to +60 °C
Supervision / heartbeat	Adjustable heartbeat intervals (will effect battery life) 1 Min to 180 mins		Full supervision of all devices; event logging of RF faults, tampers and system errors, sd logging
Dimensions (approx.)			
Weight (approx.)		~200–300 g	
Accessories	Conduit bracket, external antenna, Reed + magnet		Antenna + power terminal plug, wiegrand extension module

*Note: Details are subject to change without notice. To ensure you have the latest information contact us on the details below:

