

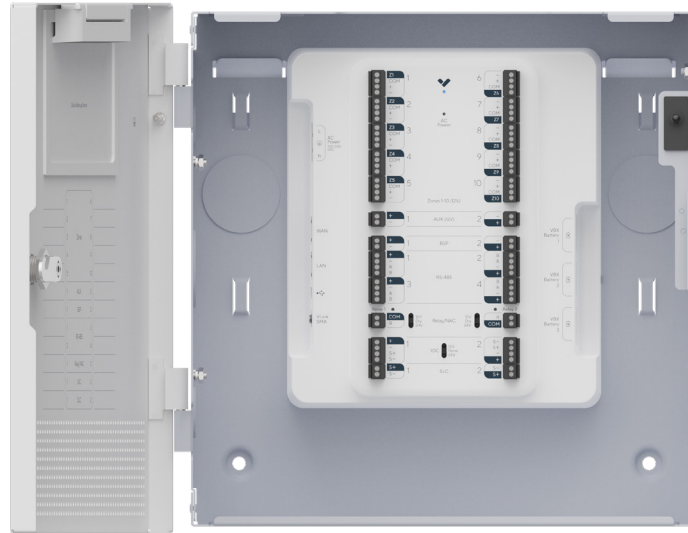
BP42

Alarm Panel

NEW ALARMS

V LINK

VBX2



Overview

The BP42 Alarm Panel acts as the central brain of a Verkada alarm system. With 10 input zones, it can easily replace traditional panels and take over existing sensors in smaller sites. Organizations can further extend coverage with BE32 expanders. For high availability, organizations can add LTE backup and VBX2 batteries to the BP42. Because the BP42 operates locally with expanders and keypads, only one cellular backup device is needed for the entire site.

The BP42 is cloud-managed and natively integrates with other devices in the Verkada ecosystem. Through the Command web or mobile app, users can view live and historical sensor activity, access zone mapping, and manage software-defined partitions. Organizations additionally benefit from alerts for offline devices, 24/7 support, and automatic firmware updates, ensuring their alarm panel is always operational and improving over time.

Key features

Complete site coverage

- 10 inputs for wired sensors, each with 12V AUX power
- 2 RS-485 outputs for keypads or expanders
- 2 BSP outputs for addressable sensor loops²
- 2 relay outputs for sirens and strobes
- 2 12V power outputs
- Built-in PoE port for hub or keypad
- Use the panel as a wired expander for satellite buildings via LAN

Wireless support

- Built-in VLink hub connects up to 160 wireless sensors
- Unlimited expansion via PoE hubs, keypads, and repeaters

Cloud-managed

- See the live status of all connected sensors and devices on an interactive zone map
- Automatic health checks and offline device alerts
- Automatic firmware updates for the latest features

Highly reliable

- Built-in slot and 3 ports for [75Wh VBX batteries](#) (sold separately)
- Built-in mount for [cellular backup communicator](#) (sold separately)

1. Sites must have one alarm panel to use intrusion sensors. The panel is not required for sites with camera triggers only.

2. The Better Sensor Protocol (BSP) enables wired sensors to be daisy-chained in an addressable loop. Learn more [here](#).



BP42

Tech specs

Power and network

Power consumption	90W max See Output Specifications Table for load limits	Uplink	100/1000Mbps RJ45 port, USB 2.0 (for ACC-CEL-LTE-2)
Power input	100-240VAC (50-60Hz) ¹	Wireless communication	VLink sub-GHz transceiver
VLink wireless range	Please refer to the downstream device datasheet		

Inputs and outputs

Alarm inputs	10x alarm inputs with 12V DC aux power Compatible with variable EOL resistors (1k Ω - 4.7k Ω)	Relay outputs	2x relays for siren/strobe with switch- selectable voltage & optional dry config: • 12V DC wet operation • 25V DC wet operation
Conventional fire input (IDC)²	2x 2-wire or 2x 4-wire Initiating Device Circuit inputs (conventional) with switch-selectable 12/24V DC aux power Note: IDC inputs share a single switch for voltage selection	Addressable fire input (SLC)²	2x 2-wire Signaling Line Circuit inputs (addressable) with 36V DC aux power
RS485 outputs	4x RS485 outputs with 4x 36VDC aux power	PoE outputs	1x PoE+ 30W total power budget
Tamper detection	Yes		

General

Dimensions (with enclosure)	Height: 12.6in / 32.1cm Width: 12.6in / 32.1cm Depth: 4.7in / 12cm	Operating temperature and humidity	32 to 122° F / 0 to 50° C 0-90% RH non-condensing
Weight	10.6 lb / 4.8 kg	Warranty	10 years
Certifications	All certifications pending: FCC Part 15B Class A, ICES-003 Class A, CE, UKCA, RCM, CEC BC, UL/IEC 62368-1, CSA NO22.2 62368-1, UL 864, UL 2610		

Installation

Included accessories	AC cable, AC terminal block, VLink antenna, 10x 1k Ω EOL resistors, wall mount, 2x keys for built-in lock, flathead screwdriver, 4x plywood screws	Mounting Options	Wall mount
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1. Can directly connect to AC mains or use included AC cable

2. Future software support



Output specifications

Power Output	Voltage Rail				
	5V	12V	24V	36V	54V
Zones and Aux	-	1.95A max across Zones 1-10 and Aux 1/2	-	-	-
BSP	-	0.4A max each	-	-	-
Relays	-	Switch selectable, 1.7A max each	Switch selectable, 1A max each	-	-
IDCs	-	No connect	No connect	-	-
SLCs	-	-	-	No connect	-
RS485	-	-	-	1.5A max each, 2A total	-
USB-A	ACC-CEL-LTE-2 only - 0.1A nominal	-	-	-	-
PoE	-	-	-	-	802.3at, 0.55A max



Ordering information

Panel

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
BP42-HW	BP42 10-Zone Alarm Panel, North America Type B Plug (US and Canada Only)	\$999	\$999
	BP42 10-Zone Alarm Panel, ANZ Type I Plug (AU and NZ Only)		

Cellular Backup Communicator

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
ACC-CEL-LTE-2	Cellular Backup Communicator for BP42 and BP52 Panels	\$349	\$349
LIC-BX-CEL-1Y-CAP	1-Year Cellular Backup License With Data, Capacity Increase	\$299	\$299
LIC-BX-CEL-3Y-CAP	3-Year Cellular Backup License With Data, Capacity Increase	\$849	\$849
LIC-BX-CEL-5Y-CAP	5-Year Cellular Backup License With Data, Capacity Increase	\$1,349	\$1,349
LIC-BX-CEL-10Y-CAP	10-Year Cellular Backup License With Data, Capacity Increase	\$2,699	\$2,699
LIC-BX-CEL-1Y-RNW	1-Year Cellular Backup License With Data, Renewal	\$299	\$299
LIC-BX-CEL-3Y-RNW	3-Year Cellular Backup License With Data, Renewal	\$849	\$849
LIC-BX-CEL-5Y-RNW	5-Year Cellular Backup License With Data, Renewal	\$1,349	\$1,349
LIC-BX-CEL-10Y-RNW	10-Year Cellular Backup License With Data, Renewal	\$2,699	\$2,699

Backup Battery

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
ACC-BAT-VBX2-75WH	VBX2 2nd Gen LFP Backup Battery for BP42, 75 Watt-Hours	\$229	\$229