

## BP52

# Alarm Panel

NEW ALARMS

V LINK

VBX



## Overview

The BP52 Alarm Panel acts as the central brain of a Verkada alarm system. As a combination fire and burglary panel with 32 wired zones, it can easily replace traditional panels and take over existing sensors without new wiring. Organizations with larger sites can extend coverage with BE32 expanders. For high reliability, organizations can add LTE backup and VBX batteries to the BP52. Because the BP52 operates locally with expanders and keypads, only one cellular backup device is needed for the entire site.

The BP52 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 the alarm panel is always operational and improving over time.

## Key features

### Complete site coverage

- 32 inputs for wired sensors, each with 12V AUX power
- 4 RS485 outputs for keypads, expanders, and BSP addressable sensor loops<sup>2</sup>
- 2 relay outputs for sirens and strobes
- 2 IDC fire inputs
- Built-in 4-port PoE switch for hubs and keypads

### 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

- 2 built-in slots for 200Wh VBX backup batteries (sold separately)
- Built-in mount for cellular backup communicator

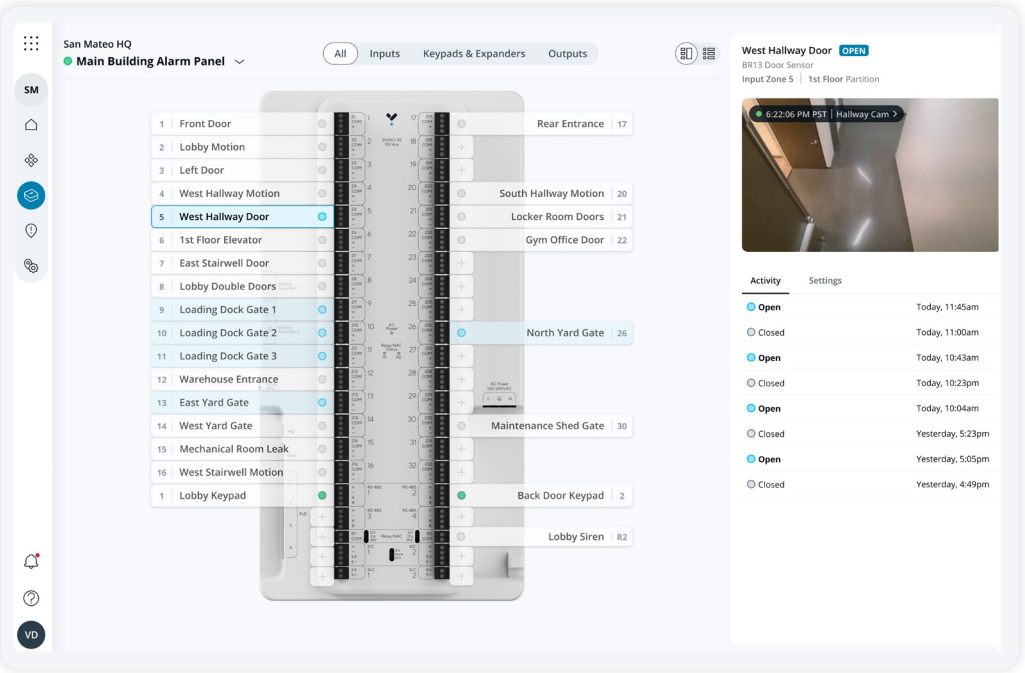
1. Sites must have one alarm panel to use intrusion sensors. The panel is not required for sites with camera triggers only.

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



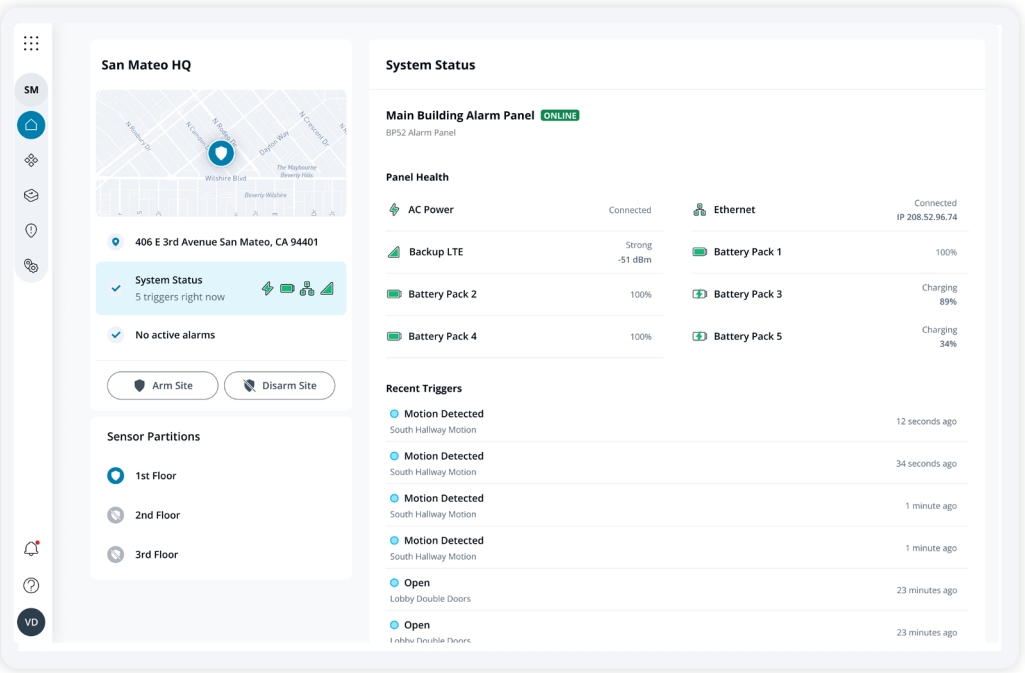
Cloud-managed

Verkada’s cloud-based management platform, Command, brings visibility and control at scale for many alarm systems across multiple sites. Users can easily check live sensor activity, access the exact zone mapping for a panel, and create software-defined partitions.



Highly reliable

The BP52 integrates with our cellular backup communicator and VBX battery system to deliver high availability for the entire alarm system. Because the BP52 operates locally with all the expanders and keypads at a site, only one cellular backup communicator is needed for the entire site.





## BP52

### Tech specs

#### Power and network

|                             |                                                                                                                               |                               |                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------|
| <b>Power consumption</b>    | 175W max<br>See Output Specifications table<br>for load limits (page 4)                                                       | <b>Uplink</b>                 | 100/1000 Mbps RJ45 port,<br>USB 2.0 (for ACC-CEL-LTE-2) |
| <b>Power input</b>          | 100-240V AC (50-60Hz) <sup>1</sup><br>2x battery slots (for ACC-VBX-200WH)<br>2x battery enclosure ports<br>(for ACC-VBX-ENC) | <b>Wireless communication</b> | VLink sub-GHz transceiver                               |
| <b>VLink wireless range</b> | Please refer to the downstream<br>device datasheet                                                                            |                               |                                                         |

#### Inputs and outputs

|                                      |                                                                                                                                                                                            |                                                 |                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alarm inputs</b>                  | 32x inputs with 12V DC aux power<br>Compatible with variable EOL resistors<br>(1k $\Omega$ - 4.7k $\Omega$ )                                                                               | <b>Relay outputs</b>                            | 2x relays for siren/strobe/NAC with switch-<br>selectable voltage & optional dry config: <ul style="list-style-type: none"><li>• 12 or 24V DC wet operation</li><li>• 24V DC dry operation</li></ul> |
| <b>Conventional fire input (IDC)</b> | 2x 2-wire or 2x 4-wire Initiating Device<br>Circuit inputs (conventional) with<br>switch-selectable 12/24V DC aux power<br>Note: IDC inputs share a single switch for<br>voltage selection | <b>Addressable fire input (SLC)<sup>2</sup></b> | 2x 2-wire Signaling Line Circuit inputs<br>(addressable) with 36V DC aux power                                                                                                                       |
| <b>RS485 outputs</b>                 | 4x RS485 outputs with<br>36V DC aux power                                                                                                                                                  | <b>PoE outputs</b>                              | 4x PoE+ / 802.3at capable ports<br>60W total power budget                                                                                                                                            |
| <b>Tamper detection</b>              | Yes                                                                                                                                                                                        |                                                 |                                                                                                                                                                                                      |

#### General

|                                        |                                                                                                            |                                               |                                                      |
|----------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------|
| <b>Dimensions<br/>(with enclosure)</b> | Height: 21.9in / 55.7cm<br>Width: 12.7in / 32.3cm<br>Depth: 4.6in / 11.6cm                                 | <b>Operating temperature<br/>and humidity</b> | 32 to 122° F / 0 to 50° C<br>0-90% RH non-condensing |
| <b>Weight</b>                          | 16.2lb / 7.3kg                                                                                             | <b>Warranty</b>                               | 10 years                                             |
| <b>Certifications</b>                  | FCC Part15B Class A, IC, ICES-003 Class A,<br>CE, UKCA, RCM, CEC BC, UL/IEC 62368-1,<br>CSA NO22.2 62368-1 |                                               |                                                      |

#### Installation

|                             |                                                                                                                                              |                         |            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|
| <b>Included accessories</b> | AC cable, VLink antenna, 32x 1k $\Omega$ EOL<br>resistors, wall mount, 2x keys for built-in lock,<br>flathead screwdriver, 4x plywood screws | <b>Mounting Options</b> | Wall mount |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|

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        | -                  | 0.95A max across Zones 1-16<br>0.95A max across Zones 17-32 | -                                 | -                         | -          |
| Relays       | -                  | Switch selectable, 1.7A max each                            | Switch selectable, 1A max each    | -                         | -          |
| IDCs         | -                  | Switch selectable, 0.25A max each                           | Switch selectable, 0.25A max each | -                         | -          |
| SLCs         | -                  | -                                                           | -                                 | No connect                | -          |
| RS485        | -                  | -                                                           | -                                 | 1.5A max each, 2.0A total | -          |
| USB-A        | ACC-CEL-LTE-2 only | -                                                           | -                                 | -                         | -          |
| PoE          | -                  | -                                                           | -                                 | -                         | No connect |



## Ordering information

### Panel

| Model number | Description              | US cost (MSRP) <sup>USD</sup> | WW cost (MSRP) <sup>USD</sup> |
|--------------|--------------------------|-------------------------------|-------------------------------|
| BP52-HW      | BP52 32-Zone Alarm Panel | \$1,399                       | \$1,399                       |

### Cellular Backup Communicator

| Model number       | Description                                                            | US cost (MSRP) <sup>USD</sup> | WW cost (MSRP) <sup>USD</sup> |
|--------------------|------------------------------------------------------------------------|-------------------------------|-------------------------------|
| ACC-CEL-LTE-2      | Cellular Backup Communicator for BP42 Alarm Panel and BP52 Alarm Panel | \$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) <sup>USD</sup> | WW cost (MSRP) <sup>USD</sup> |
|---------------|----------------------------------------------|-------------------------------|-------------------------------|
| ACC-VBX-200WH | 200Wh Backup Battery for BP52 Panel          | \$299                         | \$299                         |
| ACC-VBX-ENC   | Dual Backup Battery Enclosure for BP52 Panel | \$299                         | \$299                         |