

## Hybrid Panel Lite

Realize the full potential of your complete wired security system



Supports flexible wired system



Visual alarm verification in just 4 seconds



Encryption for more secured data transfer



Easy system installation



SF1 technology



Models with either 8 on-board zones available

Hybrid Panel Lite is a wire and wireless smart home security gateway with LTE capability. It provides a customizable and robust way to wire the whole alarm system. With Hybrid Panel Lite, you can accomplish a comprehensive solution for the Climax wired BUS security system in a breeze.

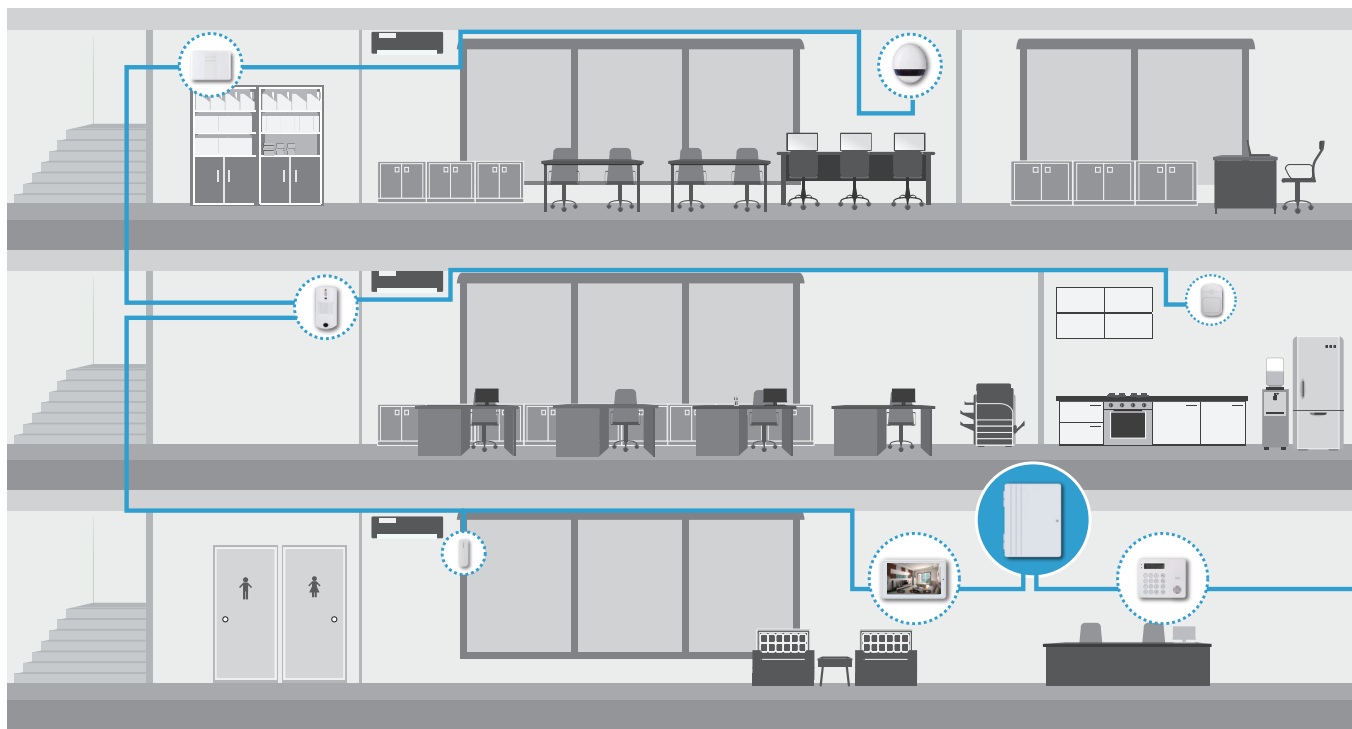
Hybrid Panel Lite's BUS connectivity makes installation easier and the system more flexible, with shorter wiring lengths and more cost-effective product maintenance. With integration to the wired BUS system, users can expand the system by connecting several devices on a single BUS cable. Furthermore, the BUS wiring uses a custom protocol to ensure information security, with encryption to make data transmission more secure.

Hybrid Panel Lite employs world-leading SF1 technology, which allows it to support transfer of HD images by RF network, or leveraging VGA/QVGA alarm image transmission at faster speed, delivering photos in just 4 seconds (for photos of 320 x 240 pixels). A major breakthrough in Climax's wireless technology, it has massively further bolstered the systems' reliability.

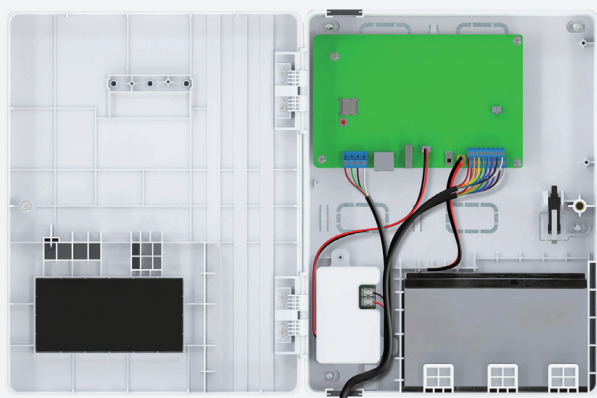
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### BUS Wired System's Application Diagram



Hybrid Panel Lite simplifies installation and improves flexibility by utilizing BUS connectivity, allowing shorter wiring lengths which makes it easy for users to expand the system by connecting multiple devices to a single BUS line.



- Wire and wireless smart home security gateway
- 80 zones per areas, 8 areas, 640 zones in total
- Models with either 8 on-board zones available
- SF1 technology supports:
  - Transfer of HD images by RF network
  - Visual alarm verification in just 4 seconds for QGVA images
- Encryption for data transfer's security
- External SMA input for Antenna
- Visual Verification and Real-time Visual Monitoring by incorporating cameras
- 24-Hour Emergency Monitoring by incorporating emergency security devices
- Remote and Mobile Control via Vesta Home 5 Web Portal/App

## Specifications

### Hybrid Panel Lite

Functions	
Number of areas and zones	80 zones per areas, 8 areas, 640 zones in total
Number of on-board zones	8 zones
Number of connected BUS devices	Up to 128 (Maximum of 4 KPT-35(N)-BUS models)
Zone expansion module options via BUS connection	<b>WEZC-8:</b> 8 wired zone expansion module with plastic housing <b>WEZC-8B:</b> 8 wired zone expansion module with plastic housing and battery <b>WEZ-12-BUS:</b> 12 wired zone expansion module / <b>WEZ-24-BUS:</b> 24 wired zone expansion module / <b>WEZ-36-BUS:</b> 36 wired zone expansion module / <b>WEZ-48-BUS:</b> 48 wired zone expansion module / <b>WEPC-1:</b> 4 PGM outputs with plastic housing / <b>WEPC-1B:</b> 4 PGM outputs with plastic housing & battery
Number of BUS terminal	1 pluggable BUS terminal
Number of users	40 per areas, 320 in total
Total wiring length limit	Max. 3000 ft / 914 m
Wired input	NO/NC <b>Single end-of-line (SEOL):</b> 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) (32 pieces of 5.6K resistors are included in shipment) <b>Double end-of-line (DEOL):</b> 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) <b>Triple end-of-line (TEOL):</b> only for 3 combination - (4.7K, 6.8K, 12K) (4.7K/5.6K, 4.7K, 2.2K/3K) (4.7K/5.6K, 5.6K, 2.2K/3K)
Ethernet interface	RJ-45 connection
Number of PGM output port	1
Tamper protection	Dual wall-mount & front cover tamper
Electrical	
Power supply	100-240VAC, 50/60 Hz
Total current consumption of hardwired zones, auxiliary output, BUS devices, expansion modules, and PGM port	13.5V (Typical) / 1.5A
Backup battery	Backup battery options: 12V/4Ah / 12V/7Ah Sealed Lead Acid Battery(SLA)
Battery duration*	12V/4A SLA: 21 hours* / 12V/7A SLA: 36 hours* depend on Wire Zone & Bus loading
Wireless	
LTE Frequency For 4G-LTE Model	EU: B1 (2100 MHz) / B3 (1800 MHz) / B5 (850 MHz) / B7 (2600 MHz) / B8 (900 MHz) / B20 (800 MHz) US: B2 (1900 MHz) / B4 (1700MHz) / B12 (700MHz)
3G Frequency For 4G-LTE model	EU: B1 (2100 MHz) / B5 (850 MHz) / B8 (900 MHz) US: B2 (1900 MHz) / B4 (1700MHz) / B5 (850 MHz)
2G Frequency for 2GW model	Quad-band: GSM850 (850MHz) / EGSM900 (900MHz), DCS1800 (1800MHz), PCS1900 (1900MHz)
Physical Properties	
Operating temperature	-10°C to 45°C (14°F to 113°F)
Operating humidity	Up to 85% non-condensing
Dimensions	320 mm x 245 mm x 93 mm

\* Note: Actual battery life may vary with product settings, operating environment, and usage patterns.