





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.

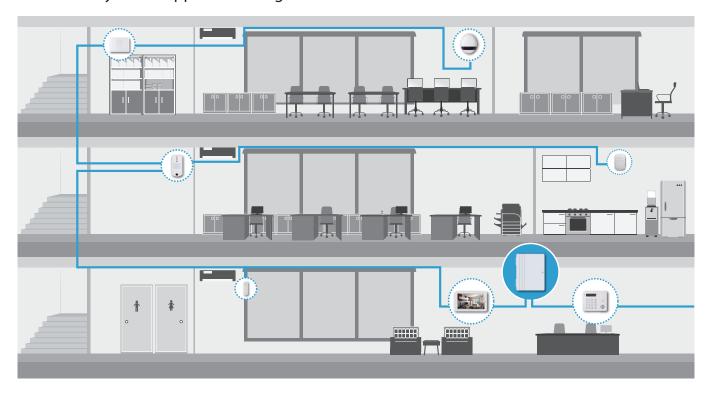
Hybrid Panel Lite's BUS connectivity makes installation easier and the system more flexible, with shorter wiring lengths and more cost-effective product maintenance. With integration to the wired BUS system, users can expand the system by connecting several devices on a single BUS cable. Furthermore, 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.

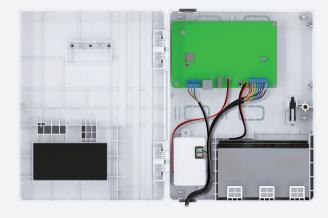
Hybrid Panel Lite

Realize the full potential of your complete wired security system

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

Number of areas and zones Number of or-board zones Number of connected BUS devices Up to 128 (Maximum of 4 KPT-35(N)-BUS models) WEZC-8: 8 wired zone expansion module with plastic housing and battery WEZ-1-8: 8US: 12 wired zone expansion module with plastic housing and battery WEZ-1-8: 8US: 12 wired zone expansion module with plastic housing and battery WEZ-1-8: 8US: 12 wired zone expansion module with plastic housing and battery WEZ-1-8: 8US: 12 wired zone expansion module / WEZ-2-8: 8US: 12 wired zone expansion module / WEZ-2-8: 8US: 24 wired zone expansion module / WEZ-2-8: 8US: 36 wired zone expansion module / WEZ-3-8: 8	Functions	
Number of connected BUS devices WEZC-8.8 wired zone expansion module with plastic housing WEZC-88.8 wired zone expansion module with plastic housing and battery WEZ-18-8 wired zone expansion module with plastic housing and battery WEZ-18-8 wired zone expansion module / WEZ-48-8US: 12 wired zone expansion module / WEZ-48-8US: 24 wired zone expansion module / WEZ-48-8US: 36 wired	Number of areas and zones	80 zones per areas, 8 areas, 640 zones in total
WEZC-8: 8 wired zone expansion module with plastic housing WEZC-8E.8 wired zone expansion module with plastic housing and battery WEZ-18-BUS.12 wired zone expansion module / WEZ-8-BUS.12 wired zone	Number of on-board zones	8 zones
WEZ-2.88.8 wired zone expansion module with plastic housing and battery WEZ-12.8US-12 wired zone expansion module / WEZ-34.8US-32 wired zone zone zone zone zone zone zone zone	Number of connected BUS devices	Up to 128 (Maximum of 4 KPT-35(N)-BUS models)
Number of users 40 per areas, 320 in total Total wiring length limit Max, 3000 ft / 914 m NO/NC Single end-of-line (SEOL): 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) Double end-of-line (DEOL): 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) Pouble end-of-line (DEOL): 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) (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 Etectrical Power supply 100-240VAC, 50/60 Hz Total current consumption of hardwired zones, auxiliary output, BUS devices, expansion modules, and PGM port 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 B20 (800 MHz) / B3 (1800 MHz) / B5 (850 MHz) / B7 (2600 MHz) / B8 (900 MHz) / B20 (800 MHz) US: B2 (1900 MHz) / B4 (1700MHz) / B1 (2700 MHz) / B1 (8500 MHz) / B1 (8700 MHz) / B1 (WEZ-12-BUS: 12 wired zone expansion module with plastic housing and battery WEZ-12-BUS: 12 wired zone expansion module / WEZ-24-BUS: 24 wired zone expansion module / WEZ-36-BUS: 36 wired zone expansion module / WEZ-48-BUS: 48 wired zone expansion module / WEPC-1: 4 PGM outputs with plastic housing /
Total wiring length limit Max. 3000 ft / 914 m NO/NC Single end-of-line (SEOL): 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) Double end-of-line (DEOL): 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) Double end-of-line (DEOL): 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) (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, 8US devices, expansion modules, and PGM port 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) / B2 (800 MHz) / B5 (850 MHz) / B1 (700MHz) / B1 (700MHz) / B1 (700MHz) / B1 (850 MHz) / B1 (85	Number of BUS terminal	1 pluggable BUS terminal
NO/NC Single end-of-line (SEOL): 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) Double end-of-line (DEOL): 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) Double end-of-line (DEOL): 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) (4.7K/5.6K, 4.7K, 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 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) / B4 (1700MHz) / B12 (700MHz) / B8 (900 MHz) / B5 (850 MHz) / B5 (850 MHz) / B8 (900 MHz) / B4 (1700MHz) / B5 (850 MHz) / B6 (900 MHz) / B5 (850	Number of users	40 per areas, 320 in total
Single end-of-line (SEOL): 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) Double end-of-line (DEOL): 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) Triple end-of-line (DEOL): 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) Triple end-of-line (TEOL): only for 3 combination - (4.7K, 6.8K, 12K) (4.7K/5.6K, 4.7K, 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 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) / B12 (700MHz) / B12 (700MHz) / B12 (700MHz) / B5 (850 MHz) / B5 (850 MHz) / B2 (900 MHz) / B5 (850 MHz) / B5 (850 MHz) / B2 (900 MHz) / B5 (850 MHz) /	Total wiring length limit	Max. 3000 ft / 914 m
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 Backup battery Backup battery options: 12V/4Ah / 12V/7Ah Sealed Lead Acid Battery(SLA) Battery duration* Backup battery options: 12V/4Ah / 12V/7A SLA: 36 hours* depend on Wire Zone & Bus loading Wireless LTE Frequency For 4G-LTE Model BU: 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 BU: B1 (2100 MHz) / B5 (850 MHz) / B8 (900 MHz) / B5 (850	Wired input	Single end-of-line (SEOL): 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) Double end-of-line (DEOL): 1K, 2.2K, 3.74K, 4.7K, 5.6K, 6.8K, 8.2K, 10K (in Ohms) Triple end-of-line (TEOL): only for 3 combination - (4.7K, 6.8K, 12K) (4.7K/5.6K, 4.7K, 2.2K/3K)
Electrical Power supply 100-240VAC, 50/60 Hz Total current consumption of hardwired zones, auxiliary output, BUS devices, expansion modules, and PGM port 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 B20 (800 MHz) / B3 (1800 MHz) / B3 (850 MHz) / B12 (700MHz) / B13 (850 MHz) / B13 (850 MHz) / B14 (1700MHz) / B15 (850 MHz) / B15	Ethernet interface	RJ-45 connection
Power supply 100-240VAC, 50/60 Hz Total current consumption of hardwired zones, auxiliary output, BUS devices, expansion modules, and PGM port 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 B20 (800 MHz) / B3 (1800 MHz) / B3 (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 B5 (850 MHz) / B5 (850 MHz) / B8 (900 MHz) / B4 (1700MHz) / B5 (850 MHz) / B5	Number of PGM output port	1
Power supply 100-240VAC, 50/60 Hz Total current consumption of hardwired zones, auxiliary output, BUS devices, expansion modules, and PGM port 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) / B12 (700MHz) / B5 (850 MHz) / B5 (850	Tamper protection	Dual wall-mount & front cover tamper
Total current consumption of hardwired zones, auxiliary output, BUS devices, expansion modules, and PGM port 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) / B4 (1700MHz) / B5 (850 MHz) / B5 (850 M	Electrical	
hardwired zones, auxiliary output, BUS devices, expansion modules, and PGM port 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) BU: B1 (2100 MHz) / B5 (850 MHz) / B8 (900 MHz) US: B2 (1900 MHz) / B4 (1700MHz) / B5 (850 MHz) Cuad-band: GSM850 (850MHz) / EGSM900 (900MHz), DCS1800 (1800MHz), PCS1900 (1900MHz) Physical Properties Operating temperature -10°C to 45°C (14°F to 113°F)	Power supply	100-240VAC, 50/60 Hz
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	hardwired zones, auxiliary output, BUS devices, expansion modules,	13.5V (Typical) / 1.5A
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)	Backup battery	Backup battery options: 12V/4Ah / 12V/7Ah Sealed Lead Acid Battery(SLA)
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 -10°C to 45°C (14°F to 113°F)	Battery duration*	12V/4A SLA: 21 hours* / 12V/7A SLA: 36 hours* depend on Wire Zone & Bus loading
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)	Wireless	
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)	LTE Frequency For 4G-LTE Model	
PCS1900 (1900MHz) Physical Properties Operating temperature PCS1900 (1900MHz) -10°C to 45°C (14°F to 113°F)	3G Frequency For 4G-LTE model	
Operating temperature -10°C to 45°C (14°F to 113°F)	2G Frequency for 2GW model	
	Physical Properties	
Operating humidity Up to 85% non-condensing	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	Dimensions	320 mm x 245 mm x 93 mm

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

