Gemini X255 is the expansive hardwire/wireless control offering 255 fully-programmable zones, 195 users, fuseless operation & supports the full line of top performing Gemini Wireless.

Gemini keypads compatible with the GEMP9600

- Gemini keypads
- K1CA
- K2AS
- K3DGTL
- K4RF
- K4
- RPT Can2
- RP2ASx2
- RP3DGTL
- RP8LCD
- RP8/K800

Manufacturing great security products is all we do. It’s that simple.™
Gemini™ X255 zone hybrid control

Control panel features
- 8 to 255 zones, hardwire or wireless zones from GEM EZMMS zone-expansion modules and RP1/K1 4-zone keypads or wireless points using Gemini receivers
- Including up to 8 2-wire fire zones
- Up to 195 individually coded users, each with a programmable authority level
- Exclusive RS232 panel-port supports PC home automation/networking integration for 9600 baud comprehensive communications
- Fuseless maintenance-free operation
- 8 End-of-line-resistor burglary zones programmable for area, exit/entry delay, interior, follower, day zone, chimne, fire option, sensor watch, swinger shutdown, zone arming and a variety of other features
- 3 on-board relay outputs; expandable to 99
- Three keypad panic’s: fire, police & auxiliary
- Up to 8 independent area partitions
- Up to 8 separate access stations for up to 195 users
- Up to 64 separately-addressable X-10 devices with the GEM-X10KIT
- English-language prompts & system status messages from keypad (GEM-RP1CAe2 installed “with 255 support” only)
- User-customized zone descriptions, reprogrammable as required
- Supports 2-wire and 4-wire smoke detectors
- Reports alarms, restores and troubles by zone
- 255 event schedule
- 800 event log
- Overview mode permits monitoring and control of total system from one keypad
- Supports up to 4 RF receivers
- Guard-tour programmable for start time, tour length, and check points (tour stations)
- 2 programmable entry delay times
- 2 interior-bypass groups
- Dynamic battery test interrupts charging and places battery under load every four hours
- Chimne by zone: programmable duration
- Non-volatile RAM retains memory during power losses
- PCD-Windows programmable
- Auto-download log
- Exclusive V.A.L.I.D.™ FEATURE (Verifying Automatic Line Integrity Diagnostic) reduces false alarms due to changes in line resistance

Communicator features
- Compatible with all major receiver formats, including BFSK, 4/2, Modem 2, SIA, 4/3/1, 4 + 2
- Express and Point ID
- Rotary dial and TouchTone™ with rotary backup
- 20-digit telephone numbers
- Backup reporting; door reporting; split reporting
- 195 User codes with opening/closing reporting by user
- AC failure reporting with programmable report delay
- Supervised telephone line cut with programmable delay
- Pager capability

Specifications
- Operating temperature: 0-49ºC (32-120ºF)
- Input power: 16.5Vac via Class 2 Plug-In 40VA Transformer, supplied
- Loop voltage: 10-13VAC
- Loop current: 2.5mA with 2.2ohm end-of-line resistor (model EOL2.2K), 5mA for 2-wire smoke-detector zones
- Loop resistance: 300W max.; 50W for 2-wire smoke detector zones
- Relay outputs (burglary; reset; aux); wet, 12Vdc, 1.2A max.; dry (cut related jumper for dry contacts), SPDT contacts 24Vac, 2A
- Auxiliary power output: 12Vdc regulated
- Remote power output: 12Vac regulated for (keypads). 750 mA combined Standby Current (Remote Power + Aux. Power + Reset Relay Power)
- Standby time: Residential fire/burglary & commercial burglary, 4 hours minimum
- EZM Module: GEM-EZM8: input, 50mA (including PGM Output) PGM output: 5mA, 12V special application

 Optional accessories and peripherals
- GEM-EZMB: 8-zone expansion zone module (see models labeled “Gemini X255 Support”)
- VERI-PHONE: Two-way voice/listen in system
- GEM-REC8: Wireless receiver, 8 points
- GEM-REC16: Wireless receiver, 16 points
- GEM-REC96: Wireless receiver, 96 points
- GEM-REC255: Wireless receiver, 255 points
- GEM-TRANS2: Window/door transmitter, 2-point
- GEM-RTRANS: Recessed wireless window/door transmitter, 1-point
- GEM-KEYF: Keyfob transmitter
- GEM-SMK: Wireless smoke detector
- GEM-PIR: Wireless PIR, 50x50’
- GEM-PIRPET: Wireless 40 lb. pet immunity PIR
- GEM-DT: Wireless Adaptive® Dual Technology sens, 40x40
- GEM-GB: Wireless glass break detector
- GEM-WP PANIC: Waterproof panic button/pendant
- GEM-HEAT: Rate of rise heat detector
- 2 WAY UNIV KIT: 2 Way LCD keyfob & receiver

Home/facilities automation:
- GEM-RS232KIT: Alarm-to-PC interface for 100% 2-way intercommunications with a growing number of leading PC automation software packages (including, but not limited to, I.E. Home Director™, Savoy Cyberhouse™, Crestron, Phast, etc.)
- GEM-DEVELOPER: System development professional’s protocol for custom programing seamless integration with Gemini RS232 port communications
- GEM-X10 Interface Module: Provides programming & scheduler-integrated X-10 device support
- RM3008: relay module
- M278: Line-reversal module
- PS3002: Power-supply module, 13.2Vdc, 1.9A
- EOL130: 2-Wire fire zone resistor, 130ohm, 3ohm
- EOL2.2K: End-of-line resistor assembly, 2.2ohm for fire circuit
- FT2200: EOL relay/resistor supervisory module
- RB1000: Relay board
- RBAT4: Rechargeable battery, 12Vdc, 4AH
- RBATH1: Dual battery harness
- RPB-3: Universal junction box
- TRF11: Transformer, 16Vac/40VA, Class 2
- WL1: Wire assembly with lug connector

Ordering information
- GEM-X255: Super Expandable Hybrid Control Panel & Transformer
- GEM-RP1CAe2: 32-Character EZ-Read Backlit LCD Keypad with 4 EOL Zone Expansion Module built-in (See models labeled “Gemini X255 Support”!)
- GEMK1CA: Keypad as same as above with Stay & Away functions.
- StarLink SL-1: Backup wireless receiver for all alarm panel boards.
- NAPCO NETLINK™ Intranet/Internet Alarm Reporting Components (for specs see website , or literature # A482).
- GeminiAccess™ economically add up to 8 doors of access control to Gemini Panels. Several paks are available (for specs see website, or literature #A481).

Compatible with these standard Gemini keypads
- GEM1KA: 4 built in zones
- RP1CAe2: 4 built in zones

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