Introducing the all new

Napco Commercial Platform:

The most powerful, feature-rich platform for 24V commercial fire, burglary or combination burglary/fire, supporting up to 255 zones using all-new fire and burglary devices in hardwire, wireless, conventional & addressable technologies

Firewolf 24V Commercial Intelligent Addressable Fire Panel. NFPA72-compliant, up to 96 outputs, 4 onboard NACs (6.5A total), expandable to 24, built in Sync/ Strobe/Horn Module (System Sensor & Wheelock) and dual line DACT plus optional TCP/IP reporting. Features remote Smoke Obscuration Reporting. Nearly a mile, max. wire run – any wire type – ideal for retrofits. Also supports legacy and conventional (12V) devices, too and more of them per loop! Powerful battery capacity up to 32Ah total.

Gemini-C Commercial Addressable/Conventional 255-Zone Burglary System; Supports full line of new GEMC Commercial-rated conventional, addressable or wireless devices simultaneously on from 8 to 255 zones, with partitioning. UL Merchantile.

GEM-C Combination Burglary/Access/Fire System; UL 864, 9th Edition Isolated commercial Burg./Access and Fire buses and option for separate burg/access battery backups-- easy calc. , ideal for AHJs. No costly extra Bus Isolator or Loop Isolator modules required! Integrates with GeminiAccess ACM Module. Uses familiar Quickloader Up/downloading and Gemini style keypads in burglary or fire models.

- More zones – 255, 128 or 32 points
- More power – 7 amps
- More NAC’s – Up to 4 on board
- Built in strobe/horn synch
- More standby power
- 32 Amp hour battery capacity
- Regulated 24V output

NAC Extender provides nearly 7A and 4 onboard NACs with up to 2A ea; up to 16Ah total battery capacity. Easily distributes synched bell and strobe outputs with built in module. Monitors AC, battery trouble, tamper and ground fault on Napco bus or provides universal FACP support.

Regulated Auxiliary Power Supplies
Commercial burglary or fire, 12V regulated 2A models (fire shown); or 1.75A version with plug-in transformer. Backward compatible with all Gemini Panels. Alarm panel supervised power option. Ideal for simultaneous powering of CCTV cameras.

Firewolf Advanced Analog Addressable Commercial Fire Devices support auto-drift compensation and maintenance alert function

Gemini-C Addressable Commercial Burglary Devices permit longest loop length, up to 10,000 feet; no repeaters necessary!

Gemini-C New UL Commercial Wireless Line with supervised tamper & automatic, continuously supervised signal strength (requires no manual test activation).

Gemini-C Burglary & Firewolf Menu-Driven Custom Alpha Keypads Familiar Napco ez-programming. Keypads mount anywhere on the bus. Burg model with integral 4-zone EZM.

Compliances - NFPA 72, UL Commercial Fire, UL864 9th Ed., SIA CP01, UL985. UL household & commercial burg.: UL1610, UL609, UL365, UL1023.
Napco Commercial™ Platform GEMC System Components: 24V Fire, Burglary or Combination Burg./Fire Systems

SYSTEM
- Main Control board supports up to (2) Addressable SLCs (Signaling Line Circuit controllers).
- Fire Addressable SLC Loop Controller
- Burg Addressable SLC Loop Controller
- Fire 4-wire bus for keypads and conventional devices
- Burglary Control Module
  - Provides Isolated Burg 4-wire bus for keypads and conventional devices
  - Provides independent Burg battery connection and charger
  - Provides 12V power
  - Independent Burg Bell output
- Power Supply includes either 4A or 7A @ 24V
- Integrates with NAPCO ACM – Access Control Modules
- RS-232 Printer Module for optional onsite parallel printer
- Supports a maximum of 15 Keypads, mounted anywhere on the bus, fire GEMC-FK1 or burg. GEMC-BK1. (7 fire keypads, max. Or, as few as 1 fire keypad required on fire system or equipment savings.)
- Addressable SLC Loop Isolator (optional use - for some fire applications requiring increased circuit integrity)
- Dual Phone Line built in
  - 2 Onboard Serial Ports - One for internet reporting; One for high-speed local downloading
- TCP/IP Internet reporting module
- Regulated Auxiliary Power Supplies - Commercial Burglary or fire, 12V regulated 2A or 1.75A version with plug in transform
- Choice of two panel enclosures - Between the studs enclosure, recess or surface mount. Larger version, with reversible door, supports up to 32Ah at 24V. Dimensions: 24” x 14.25” x 5.2” (H x W x D) without cover. Removable battery shelves, accomodate pairs of 7Ah, 7.5Ah and 8Ah batts. etc. Smaller Enclosure – supports 16Ah at 24V. Dimensions: 16” x 14.25” x 5.2” (H x W x D) without cover. (16Ah battery backup capacity).

INPUTS
Up to 255 Zones. Points/Zones can come from any of the following initiating devices (in up to 8 partitionable areas):
- Addressable SLC Loop (Burg or Fire) – supports up to (2) 126 point loops
- Commercial RF Receiver –
- Supports Commercial Wireless Fire devices
  - Wireless Smoke Detector
  - Wireless Heat Detector
- Supports Commercial Wireless Burglary devices
  - Wireless PIR Sensor
  - Wireless Dual Technology Sensor
  - Wireless Glass break Sensor
  - Wireless 2-Point Window/Door Transmitter
- Conventional 1- to 4-zone EZM Expansion modules on the 4-wire burg or fire bus or SLC loops
- Conventional 2-wire or 4-wire smoke detector input module
- Addressable SLC Fire Devices Supported:
  - Analog Smoke Detector
  - Heat Detector
  - Duct Detector
  - Pull Station
  - Conventional Zone Module
  - Short Circuit Isolator
- Addressable SLC Burg Devices Supported:
  - 1 Zone Burg Input Module
  - 4 Zone Burg Input modules
  - PIR Motion Sensor
  - Dual Tech Microwave/PIR Sensor

OUTPUTS
Up to 96 outputs
- Four on board Class B or 2 Class A NAC circuits, 2 amps each, total 6.5 amps at 24V
- Built in Wheelock and System Sensor NAC sync/strobe/horn protocol allows initial silence of audible appliances while maintaining visual notification, without the use of additional modules.

Napco Commercial Platform Systems Simultaneously support all-new UL commercial Firewolf fire and Gemini burglary devices in hardware, wireless and addressable technologies
- Addressable SLC Fire Devices: Supervised relay, unsupervised relay
- Addressable SLC Burg Devices: unsupervised relay
- Burg/Fire 4-wire bus devices: 8 zone form C relay (GEMC-RM3008), 8 open collector output (GEMC-OUTB)

Napco Commercial Platform Advantages
- Easy Wire Compatibility -SLC controller supports shielded, unshielded, twisted and untwisted wire - ideal for retrofits
- Longer SLC loop lengths, support more device load each, too (see below for distance at maximum device load in alarm/standby each)
  - 10,000ft. #14AWG • 6,200ft #16AWG • 4,000 ft. #18AWG
- Support for Legacy and Existing Notification Appliances - One NAC output configurable for 12V for easy retrofit compatibility
- UL Regulated NAC outputs
- Automatic drift compensation for system’s analog smoke detectors
- Separate 7A NAC Extender – (4) NAC’s, may be installed anywhere on the 4-wire bus. Provides universal FACP support.
- Keypads mount anywhere on the bus and have flash-able firmware – for updates via Quickloader
- Smoke Obsuration Report -Quickloader device sensitivity report allows the printout of a report for the AHJ listing the current status of all analog smoke detectors in the system including the programmed obsuration level for each device and the actual sensitivity reading for each device. Report is generated in 3 ways- either remotely (uploaded) or locally through notebook PC or use optional onsite printer.
- Isolated backup battery circuits for Burglary and Fire for EZ backup calculation and AHJ compliance; allows dealer to accommodate separate backup times for burg and fire. This allows burg system to drop out after burg battery depletion, while fire system is maintained and extremely stable for extended period.
- Full line of UL Commercial Devices for more flexibility & labor-savings
- Example, Use Gemini Commercial Wireless 2-input module (GEMC-WL-WD2) to convert any UL listed device into a UL wireless device, ideal for sprinkler supervisors or for use with pull stations (mounts on top of wall/conduit or in deep single-gang box (plastic).

Firewolf Fire-Only 24V Intelligent Addressable Fire Configuration, NFPA72
- Main Control board - supports (1) Addressable Fire SLC controller
- Fire 4-wire bus for keypads and conventional devices
- Power Supply 7A and 4A
- RS-232 Printer Module
- Fire Keypad with Gemini-style Menu-functionality
- Dual Phone Line built in; Synch module built in (System Sensor & Wheelock protocols)

NAC Extender - Powerful flexibility
- Nearly 7Amps power
- 4 onboard NACs with up to 2A ea., expandable for up to 24 per system
- Up to 16Ah total battery capacity
- Regulated 24V Aux. power
- Distributes synched bell and strobe outputs with built-in module
- Monitors AC, battery trouble, tamper and ground fault on Napco bus
- or provides universal FACP support.

Gemini-C Intrusion-Only Configuration, Commercial Conventional/Addressable 255-Zone Burglary System
- Supports full line of new GEMC Commercial-rated addressable, conventional, or wireless devices simultaneously
- 8 to 255 fully-configurable zones, with up to 8 partitions
- Familiar Napco Quickloader up/downloading and keypad operation
- 32Ah, max. battery capacity

Agencies
NFPA 72, UL Commercial Fire, UL864 9th Ed., SIA CP01, UL985. UL household & commercial burg.: UL1610, UL609, UL365, UL1023.
GEMC & FIREWOLF SYSTEM COMPONENTS

Platform supports commercial analog, addressable, wireless or conventional fire or burglary devices.

GEMINI C-SERIES COMMERCIAL COMBINATION CONTROL PANEL

BURGLARY BUS DEVICES

- GEMC-BSLC Burg SLC Mod. and
  - GEMC-FW-SLC Fire SLC Mod
  - Mount beneath motherboard

2-WIRE BURGLARY BUS DEVICES

- Dual Tech PIR
- 4 ZONE EXPANSION CONTROL
- 2-WIRE SMOKE MODULE
- 2.2K STROBE
- GEMC-RM3008

GEMINI C-SERIES MOTHERBOARD

- 2-ZONE FIRE SLC ADDRESSABLE LOOP
- 2-WIRE FIRE SLC ADDRESSABLE LOOP
- 8 ZONE OUTPUT
- EOLR
- 2-WIRE SMOKE MODULE
- 2.2K STROBE

FIRE BUS DEVICES

- Conventional 2-Wire Smoke
- 2-WIRE SMOKE MODULE
- 2.2K STROBE
- GEMC-RM3008

2 ZONES OF CONVENTIONAL 2-WIRE SMOKE PULL STATIONS AND/OR HEAT DETECTORS

- 4 ON-BOARD NAC CIRCUITS (CLASS B)
- 2 ON-BOARD NAC CIRCUITS (CLASS A)

GEMC-NAC7 NAC EXTENDER (2, MAX.)

- Up to 126 devices
- Two Fire or
- Two Burglary or
- One Fire and one Burglary

Note: The four GEMC-RECV max. is reduced by 1 for each SLC module.

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# Napco Commercial Gemini-C & Firewolf Series System Ordering Information

## Napco Commercial Combo. Burglary/Fire Kits

### GEMC-COMBO255KT
- **255 Point GEM-C Commercial Combo. Fire/Burg System Kit**
  - 24V Panel, 255 Points via commercial addressable, wireless or conventional fire devices, 4 on board NACs, 8 partitions (No Loop Isolator/Extender required)
  - 7 Amp, 24V Power Supply
  - Burg. Module, with power supply built with in bus isolator for complete separation of fire and burg power and battery standby operation
  - Built in horn/strobe output on each NAC
  - Built in SLC 2-zone conventional expansion module
  - Quickloader up/download including remote smoke obscuration reporting
  - Locking, Medium Red Enclosure, 16 x 25" reversible door, with 14.25" x 16" base. Houses up to 32Ah battery backup

### GEMC-COMBO128KT
- **128 Point GEM-C Commercial Combo. Fire/Burg System Kit**
  - As above, but with
  - 24V Panel, 128 Points via commercial addressable, wireless or conventional fire or burg. devices, 2 on board NACs, 8 partitions (No Loop Isolator/Extender required)
  - Locking, Medium Red Enclosure, 16 x 17" door, with 14.25" x 16" base. Houses up to 16Ah battery backup

### GEMC-COMBO32KT
- **32 Point GEM-C Commercial Combo. Fire/Burg System Kit**
  - Similar to above, but with
  - 24V Panel, 32 Points via commercial addressable, wireless or conventional fire or burg. devices, 2 on board NACs, 8 partitions (No Loop Isolator/Extender required)
  - Locking, Medium Red Enclosure, 16 x 17" door, with 14.25" x 16" base. Houses up to 16Ah battery backup

## Napco Commercial Fire Kits

### GEMC-FW-255KT
- **255 Point GEM-C Firewolf™ 24V Commercial Fire System Kit**
  - 24V Panel, 255 Points via commercial addressable, wireless or conventional fire devices, 4 on board NACs providing up to 6.5A notification power
  - Quickloader up/download including remote smoke obscuration reporting
  - Locking, Medium Red Enclosure, 16 x 25" reversible door, with 14.25" x 16" base. Houses up to 32Ah battery backup

### GEMC-FW-128KT
- **128 Point GEM-C Firewolf™ 24V Commercial Fire System Kit**
  - As above, but with
  - 24V Panel, 128 Points via commercial addressable, wireless or conventional fire devices, 4 on board NACs providing up to 6.5A notification power

### GEMC-FW-32KT
- **32 Point GEM-C Firewolf™ 24V Commercial Fire System Kit**
  - Similar to above, but with
  - 24V Panel, 32 Points via commercial addressable, wireless or conventional fire devices, 2 on board NACs providing up to 4A notification power

## Commercial Fire & Burglary Accessories and Options

### GEMC-BM/PS
- **Burg Module with 12V power supply**
  - Provides isolated 4-wire burg bus for burg keypads and devices, plus 12V power output for aux. devices. Independent Burg. Bell output.
  - Complete separation of fire and burg power, plus independ. burg. battery connection and charger for independ. burg. standby operation in power failure.

### GEMC-BM
- **Burg Module, isolated 4-wire burg bus for burg keypads and devices, plus 12V power output for aux. devices. Independ. Burg bell output.**

### GEMC-FW-SLC
- **Addressable SLC Fire Module**
  - Supports up to 128 addressable SLC fire devices. Up to 2 connect to GEM-C panel.

### GEMC-F8ZCPIM
- **Conventional 8-zone 2-wire fire input module**
  - Plugs into GEM-C panel, for conventional 2-wire smoke or any conventional fire detection device.

## Burglary Peripherals

### GEMC-BK1
- **LCD Burglary Keypad**
  - For Combo. System, with 4-zone EZM built in (Requires GEMC-BM or BM/PS Module.)

### GEMC-BSLC-4PT
- **Addressable SLC 4 point input expansion module**

### GEMC-BSLC-1PT
- **Addressable SLC 1 point input expansion module**

### GEMC-BM/PS
- **Burg Module with power supply with built in bus isolator for complete separation of fire and burg power and battery standby operation**

### GEMC-GM1
- **GEM-C panel**
  - Provides isolated 4-wire burg bus for burg keypads and devices, plus 12V power output for aux. devices. Independent Burg. Bell output.

### GEMC-WL-GB
- **Gemini Commercial Wireless Glassbreak, Acoustic 25'**

### GEMC-WL-PIR
- **Gemini Commercial Wireless PIR, 50 x 50'**

### GEMC-WL-PIR
- **Gemini Commercial Wireless PIR, 50 x 50'**

### GEMC-WL-DT
- **Gemini Commercial Wireless Dual Tech**
  - Plugs into GEM-C panel, for conventional 2-wire smoke or any conventional fire detection device.

## Fire Peripherals

### GEMC-WL-SMK
- **Gemini Commercial Wireless Smoke, Photoelectric**

### GEMC-WL-HEAT
- **Gemini Commercial Wireless Heat, 135° F**

## Common Peripherals – For Commercial Fire and Burglary Systems

### GEMC-WL-WD2
- **Gemini Commercial 2-input module converts any UL listed device into a UL wireless device**

### GEMC-FW-REV
- **Gemini Commercial Wireless 255 point RF Receiver**
  - Up to 4 per system, max.

### GEMC-EZM8
- **8-point expansion module**

### GEMC-PPRINT
- **Parallel printer module**

### GEMC-RM3008
- **8 Form C Relay Output Module**

### GEMC-NLMD
- **Internet Reporting Module**

### GEMC-RS232
- **RS232 Adapter for serial output from GEMC Panel**

### GEMC-OUT8
- **PGM Output Module, 8 open collector PGM outputs**

### GEMC-KTAMPERKT
- **Merchandise Tamper Kit, for large panel enclosures, supervised. (Not necessary if housing is recess-mounted.)**

## Firewolf Peripherals

### FWC-FSLC-SMK
- **Addressable Analog SLC Smoke, photoelectric, head**

### FWC-FSLC-HEAT
- **Addressable Analog SLC Heat, 135°F, head**

### FWC-FSLC-DUCT
- **Addressable SLC Duct smoke detector, photoelectric**

### FWC-FSLC-EZM2
- **Addressable SLC 2-zone conventional expansion module**

### FWC-FSLC-EZM1
- **Addressable SLC 1-input conventional module, similar to above usage**

### FWC-FSLC-CZM
- **Addressable SLC single module, for monitoring of dry contacts, i.e., pull stations and conv. smoke**

### FWC-FSLC-REM2
- **Addressable SLC 2-output module (requires 1 SLC address)**

### FWC-FSLC-I50
- **Addressable SLC Short Circuit Module**
  - Optional use, for certain apps. only; meets Class A, Style 7 loop reqts.

### FWC-FSLC-SOM1
- **Addressable SLC Fire supervised output module**

### FWC-FSLC-PULL
- **Addressable SLC Fire Pull Station**

### FWC-FSLC-PROG2
- **Tool for addressing-programming SLC devices**

### FWC-FSLC-SMK6B
- **Smoke/Heat & Base, requires for FWC-FSLC-SMK & –HEAT devices**

## Options

### GEMC-12V2APS-F
- **12VDC Power Supply for Fire Bus**

### GEMC-12V2APS-R
- **12VDC Power Supply for Burg. Bus, remote supervised.**

### GEMC-NAC6
- **Remote 4-output NAC Extender**, for 6.5Ah, or 2A, max. on any 1 output. Red 14 x 16", can connects to 120VAC, supports 32Ah standby batts.

### GEM-ACM1D
- **Access Control Module (with power supply, provision for back up battery, in enclosure, plug-in transformer), 1 door kit**

### GEM-2D
- **Access Add-on 2 door plug-in PCB for expansion of door capacity in above.**

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