

CAP-GW

Common Alerting Protocol Gateway



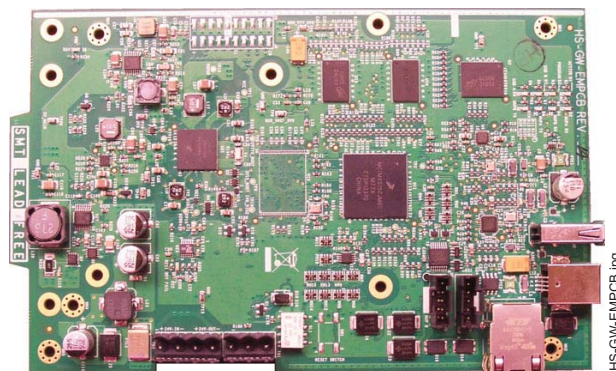
Network Systems

General

The CAP (Common Alerting Protocol) Gateway is a UL-864 listed product for supplementary use that is a key part of an Emergency Communication Response System (ECRS) which integrates seamlessly with NOTIFIER fire alarm control panels (FACPs) and NOTI•FIRE•NET™ (NFN) networks.

The CAP Gateway translates zone activations on a NFN network or a high-speed NFN network to industry standard CAP messages for CAP-compliant consumers. The information is then presented to a third party's Distributed Recipient Mass Notification System (DRMNS) as part of a multi-modal approach to emergency notification as defined by NFPA 72, chapter 24.

The CAP messages are made available in multiple source types, which can be read by CAP compliant consumer supporting transit via atom feeds or HTTP directory listing. Communications with the NFN network is via IP through an NFN Gateway that is on the NFN network.



CAP-GW

Features

The CAP Gateway:

- Receives zone activations from up to 50 NFN Gateways
- Complies with CAP version 1.2.
- Stores up to 10 outputs (Atom Feeds, Flat File Systems).
- Provides a built-in configuration tool for simple browser configuration.
- Supports up to 1000 active alerts across all outputs (global maximum).
- Supports up to 25 simultaneously connected users of CAP consumer.
- Monitors redundant NFN gateways.
- Provides a trouble relay for supervision of Gateway connections and system faults.
- Configures up to 100 CAP Alerts.

Compatibility

- High-speed NOTI•FIRE•NET™ network.
- Standard NOTI•FIRE•NET™ network, version 5.0 and higher.
- Embedded NFN Gateway (NFN-GW-EM-3 version 3.18 or higher), with 9th edition Fire Alarm Control Panels (version 18.0 or higher): NFS-320, NFS2-640, and NFS2-3030.
- PC NFN Gateways (NFN-GW-PC-F, NFN-GW-PC-W, NFN-GW-PC-HNMF, NFN-GW-PC-HNSF, NFN-GW-PC-HNW), version 3.18 or higher.
- CAP-compliant consumer software

Specifications

- **Power input:** 24 VDC Input current: 125 mA @ 24 VDC.
 - The CAP-GW must be powered by a UL1481 and/or UL 864 listed, regulated, power-limited, battery-backed, 24 VDC power supply.
 - For Canadian installation, the CAP-GW must be powered by a ULC-listed, regulated, 24 VDC power output, Fire Alarm Control Unit; or a ULC-listed, regulated, 24 VDC power supply for fire application.
- **Temperature:** 0°C to 49°C (32°F - 120°F).
- **Relative Humidity:** 93 ±2% non-condensing at 32 ±2°C (90 ±3°F).

NOTE: It is recommended that this product be installed in an environment with a normal room temperature of 15-27° C (60-80° F).

Standards and Codes

The CAP-GW complies with the following standards and requirements:

- **NFPA 72** National Fire Alarm Code.
- **UL 864, 9th Edition:** Control Units for Fire Alarm Systems.
- **UL 1076, 5th Edition:** Proprietary Burglar Alarm Units and Alarm Systems.
- **UL 2017, 1st Edition:** General Purpose Signaling Devices and Systems.
- **CAN/ULC S527-99, 2nd Edition:** Standard for Control Units for Fire Alarm Systems.
- **CAN/ULC:** S559-04, 1st Edition: Standard for Equipment for Fire Signal Receiving Centres and Systems.
- **CAN:** CSA C22.1.

Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL / ULC:** S5697.

Ordering Information

EQUIPMENT ORDERED FROM NOTIFIER

CAP-GW: CAP Gateway. Includes circuit board and surge suppressor with ethernet network cable required for TCP connection with CAP Gateway.

CAB-4 Series Enclosure: Standard enclosure for Notifier fire alarm control panels and peripherals (available in four sizes, "A" through "D"). Backbox and door ordered separately. A trim ring option is available for semi-flush mounting. See DN-6857.

CHS-4L: Chassis for mounting CAP-GW in a CAB-4 Series cabinet.

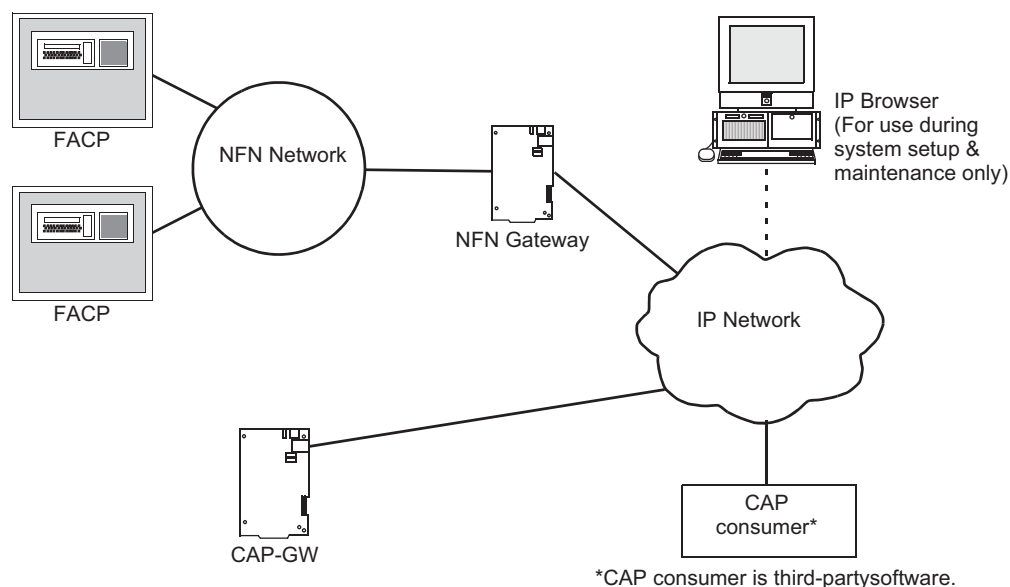
NFN-GW-EM-3: Embedded Gateway v.3.18 or higher, running NFN version 5.0 or higher. See DN-60499.

NFN-GW-PC-F, NFN-GW-PC-W, NFN-GW-PC-HNMF, NFN-GW-PC-HNSF, or NFN-GW-PC-HNW: PC NFN Gateway (v.3.18 or higher) running NFN version 5.0 or higher.

Power Supply: Select a power supply that is power limited, battery backed, +24VDC, and UL 1481 listed for use with Notifier fire alarm systems.

EQUIPMENT SUPPLIED BY CUSTOMER

Computer: Windows® 7 or Windows® XP, running Internet Explorer version 8 or later with the latest version of Java® (required to configure CAP-GW).



Sample System: CAP-GW Gateway Monitoring NFN Network over TCP/IP

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