



BB-5008



BB-5014

FX-4009-12N and display and control modules (sold separately)
Display, Backbox and Door are sold separately

Description

For projects where flexibility is needed, Micom's Flex-Net FX-4000 Series is a powerful multi-protocol solution. FX-4009-12N is designed to meet virtually any application of detection, control, notification, and emergency communications. Features such as fire detection & alarm, audio/voice evacuation, BACnet, Boolean logic, networking, and graphical workstation support allow this modular solution to accommodate projects from the simplest systems up to the most complex solutions.

- FX-4009-12N supports multiple intelligent protocols:
 - MIX-4000 Devices
 - Advanced Protocol (AP)
 - Classic Loop Interface Protocol (CLIP)
- Multiple User Interface Options including:
 - 80 characters or 640 character color display with the user-friendly menu
 - LED displays adders
 - Up to 7 remote annunciators per node

Features

- Main Processor Board with built in Network card interface, Voice Evacuation System Interface, and IP Port for OpenGN Workstation or BMS Integration
- Supports 80 character back-lit LCD or 640 character color displays with user friendly menu
- Expandable up to 28 SLC
- Each SLC current capability is 200mA in standby and 400mA in alarm. SLC Maximum line resistance 40 Ohms and maximum line capacitance 0.47uF
- Sub-addressing to optimize the number of devices in each loop
- Four Style Z/Y (Class A/B) Notification Appliance Circuits rated at 1.7 Amps each with built-in sync protocol
- Class A, Class X or Class B analog loop(s)
- Compatible with conventional detectors using DM-1008A Eight Initiating Circuit Module or MGC MIX-4042 Conventional Zone module, refer to document LT-1023 for compatible detectors
- User Interface Tags and Labels in English, French, Italian, Spanish, Portuguese, Arabic*, Hebrew*, Chinese*, Japanese*, Korean* and Russian* (*needs DSPL-2440DS or RAXN-4000LCDGC)
- Tags only: it accepts all languages supported by Windows 10 (requires DSPL-2440DS or RAXN-4000LCDGC)
- Boolean Logic Engine for complex sequences of Operations
- Four Alarm Queues with selector switches and LEDs for Alarm, Supervisory, Monitor and Trouble
- RS-232 output for remote system printer or terminal
- RS-485 port for system expansion
- Ethernet port for OpenGN, BACNet and Webserver
- Built in BACNet for BMS System Integration
- Built in Webserver for Remote Event Notification
- Audio Message Sequencer
- Two Event History Logs; one for Alarm-related events (5000 events) and one for all events (5000 events)
- System can be configured without taking the panel off-line
- Supports three configuration files (current, previous and next configuration) with "hot swap" support
- Remote diagnostics via a built-in web server
- UL listed for Smoke Control (UUKL)
- Compatible with Flex-Net integrated digital audio system



NYC
Fire Dept



City of Chicago,
High Rise, Class I
and Class II
Acceptable

Features cont'd

MIX-4000 Devices Features

For new or retrofit expansion of existing applications, supports up to 240 MIX-4000 devices per SLC

Supports:

- Photo, Heat, and Multi-criteria Sensors
- Optional Built-In Isolation on Sensors
- Multiple Input and Multiple Output modules
- Group activation on the output to speed up actions on the outputs

AP Protocol Features

Advanced Protocol (AP) supports up to 318 devices per SLC (159 sensors & 159 modules). Supports:

- Smoke, Heat and Fire/CO detection
- Low Frequency 520 Hz sounder base support on both the addressable loop and through the audio/voice evacuation system.
- Interrupt operation on input side to speed detection of an event communication back to the panel
- Group activation on the output to speed up actions on the outputs

CLIP Protocol Features:

- Address range for sensors S1-S99 - address range for modules M1-M99.
- Wide range of addressable devices available.

Networking Features

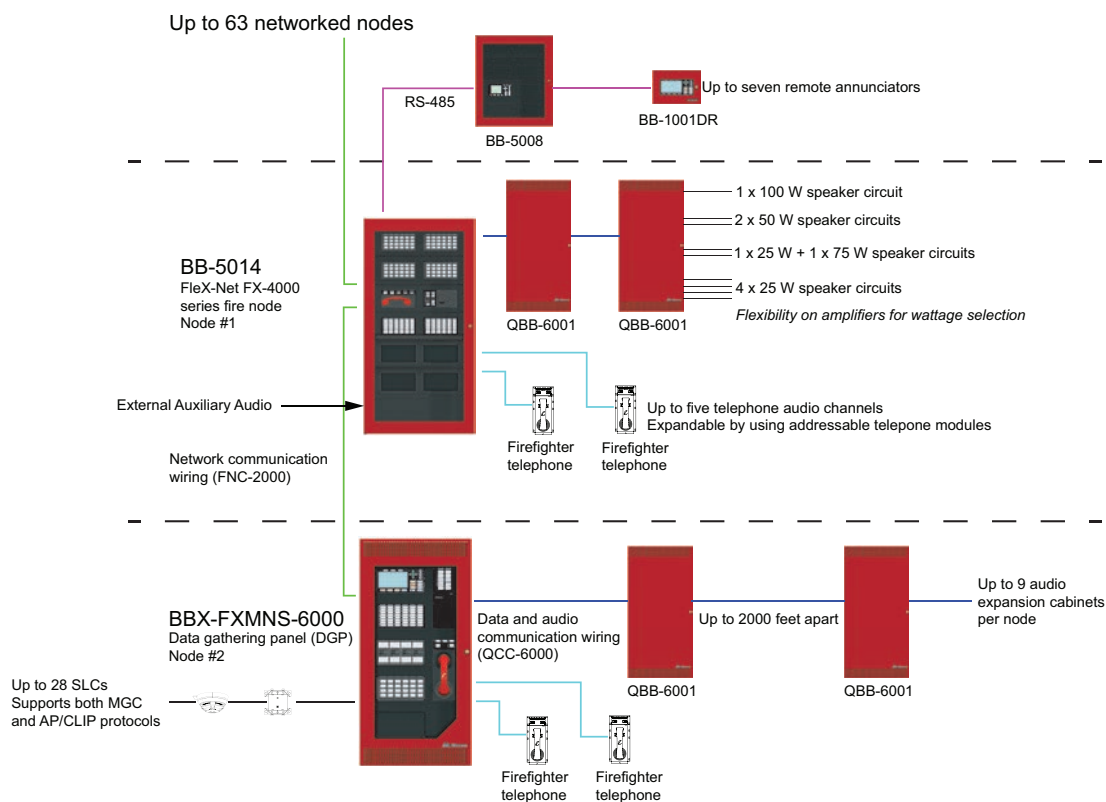
The network configuration allows multiple FleX-Net FX-4000 Series control panels to be connected using supervised Class A/B circuits to expand the available SLCs, input circuits, visual indication zones, programmable notification appliance circuits, relay outputs and monitor points in the application. The network interface module creates a robust peer-to-peer network via a proprietary protocol that ensures network segments operate independently in case of network impairment. The high baud rate of the network allows for multiplexing of control, audio, and telephony communications over a single copper or fiber interface using advanced compression algorithms. Twisted-Pair Copper, Single-Mode Fiber & Multi-Mode Fiber networking is supported.

- Up to 63 nodes
- Peer-to-peer network communications
- Fully integrated digital network audio and control over a single pair of copper wire or fiber optic cable (single or multi-mode)
- Remote diagnostics via built-in web server and standard Ethernet port in every node
- Style 4 (Class B) or Style 6 or 7 (Class A) network wiring configuration

Electrical Specifications

Primary Input Power	120VAC 60Hz / 240VAC 50Hz 4 Amps / 2 Amp (primary)
Battery Type	24VDC Gel Cell / Sealed lead acid

FleX-Net with Integrated Digital Audio Solution: System Configuration



Enclosures



BB-5008

BB-5014

(Displays sold separately)

BB-5008 / BB-5014 Enclosures

The BB-5008 and BB-5014 lobby enclosures support the FX-4009-12N and provide space for internal lobby control modules. The cabinets hold up to 42 AH batteries. The door and chassis hardware are ordered separately.

Model	Dimensions
BB-5008	36" H x 30" W x 7" D
BB-5014	60" H x 30" W x 7" D



BB-1002WP(R)A – Outdoor Weather Protected Enclosure

The BB-1002WP(R)A is a complete enclosure that comes with either a RED or WHITE door, a black back-box, two keys and a durable lock at the top of the door. The door comes hinged to the bottom side of the box for added weather protection. The box is capable of handling one RAM-1032TZDS-CC Main Annunciator Chassis which provides up to 32 points of annunciation and one RAX1048TZDS-CC Adder Annunciator, which provides up to 48 points of annunciation. RAM-1032TZDS-CC and RAX1048TZDS-CC are ordered separately to match the UL, ULC installation requirements.

Note: there is no need for thermostat or heater. RAM-1032TZDS-CC and RAX-1048TZDS-CC must be ordered separately to match UL, ULC installation requirements.

Dimensions	17-15/16" H x 12-15/16" W x 3-1/2" (456mm x 329mm x 89mm)
Rated for Outdoor Environment	+50°C to -40°C (-122°F to -40°F)
Wet Location	95% R.H. @60°C



BB-1001WP(R)A – Outdoor Weather Protected Enclosure

The BB-1001WP(R)A is a complete enclosure that comes with either a RED or WHITE door, a black back-box, two keys and a durable lock at the top of the door. The door comes hinged to the bottom side of the box for added weather protection. The box is capable of handling one RAM-1032TZDS-CC Main Annunciator Chassis which provides up to 32 points of annunciation. RAM-1032TZDS-CC is ordered separately conform with the UL, ULC installation requirements.

Note: there is no need for thermostat or heater. RAM-1032TZDS-CC must be ordered separately to match UL, ULC installation requirements.

Dimensions	11-5/32" H x 12-15/16" W x 3-1/2" (283mm x 329mm x 89mm)
Rated for Outdoor Environment	+50°C to -40°C (-122°F to -40°F)
Wet Location	95% R.H. @60°C

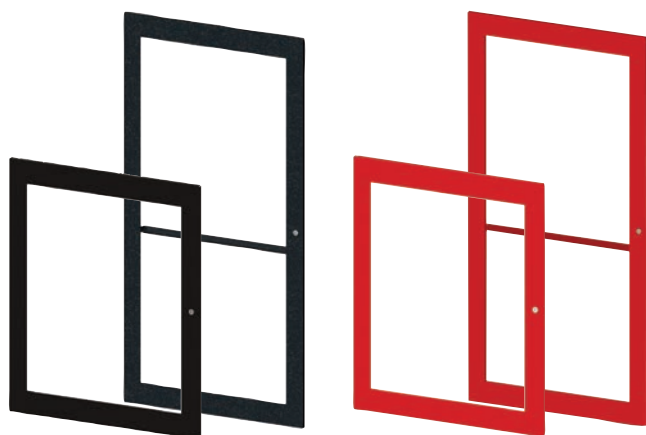


BB-1001 / 2 / 3 / 8 / 12 – Remote Annunciator Enclosures

The BB-1000 Series comes complete with a backbox, door and hinge. The enclosures doors come with Lexan windows, two keys and a durable lock. The enclosures can handle the RAM-1032TZDS, RAX-1048TZDS, RAM-3500-LCD, RAXN-LCD-LITE, Main Annunciator Chassis.

BB-1001D / DR / DS / DB	9" H x 12.75" W x 1.85" D
BB-1002D / DR / DS / DB	18" H x 12.75" W x 1.85" D
BB-1003D / DR / DS / DB	26.4" H x 12.75" W x 1.85" D
BB-1008D / DR / DB	33" x 22.5" W x 1.85" D
BB-10012D / DR / DB	45" H x 22.5" W x 1.85" D

Enclosure doors



DOX-5008MB DOX-5014MB DOX-5008MR DOX-5014MR

DOX-5008MB/R / DOX-5014MB/R Doors

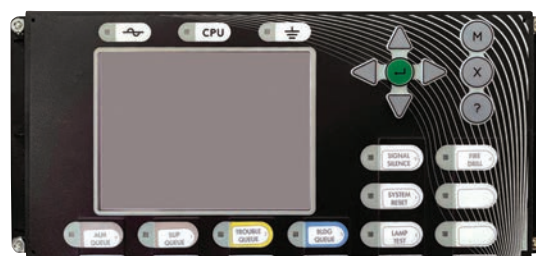
The DOX-5008MB/R and DOX-5014MB/R mounts on the BB-5008 and BB-5014 backbox. The door features the universal CAT-30 lock. Available in Black and Red.

Displays



DSPL-420DS Main Display Module

The DSPL-420DS Main Display Module provides the FX-4009-12N with a 4-line by 20-character backlit LCD display, Common Controls buttons and Four Status Queues with selector switches and LEDs for Alarm, Supervisory, Trouble and Monitor. The DSPL-420DS occupies one display position in the FX-4009-12N inner door.



DSPL-2440DS Graphical Main Display Module

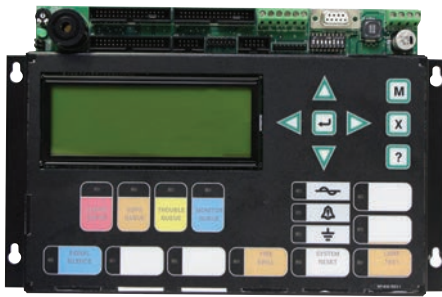
The DSPL-2440DS Graphical Main Display Module provides the FX-4009-12N with a 24-line x 40-character backlit LCD display, common controls buttons and four status queues with selector switches and LEDs for Alarm, Supervisory, Trouble and Monitor. The DSPL-2440DS occupies one display position in the FX-4009-12N inner door.



DSPL-420-16TZDS Main Display Module

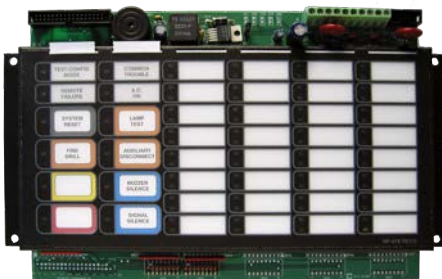
The DSPL-420-16TZDS Main Display Module provides a 4-line by 20-character backlit LCD display, Common Control buttons and Four Status Queues with selector switches and LEDs for Alarm, Supervisory, Trouble and Monitoring with an additional 16 LED points of annunciation. The DSPL420-16TZDS occupies one display position in the FX-4009-12N inner door.

Remote Annunciators



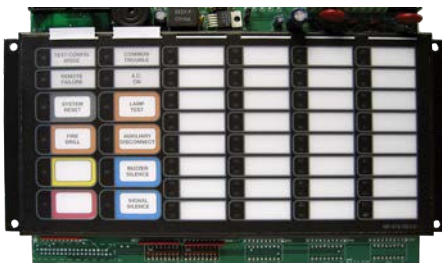
RAXN-4000LCD Remote LCD Annunciator

The RAXN-4000LCD Remote LCD Annunciator is equipped with a 4-line x 20-character back-lit alphanumeric LCD display that provides an exact replica of the main Flex-Net fire alarm control panel display. The RAXN-4000LCD occupies one display position in the BB-1000 or BB-5000 Series enclosures



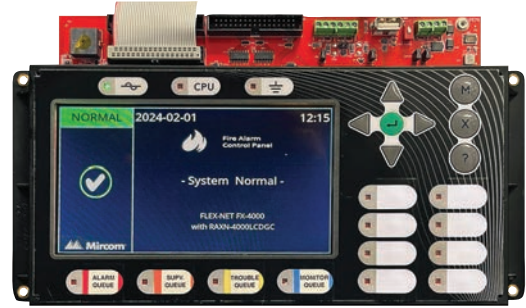
RAM-1032TZDS-CC Conformal Coated Main Remote LED Annunciator

The RAM-1032TZDS-CC Conformal Coated Main Remote LED Annunciator provides common annunciator functions and 32 points of LED annunciation. The RAM-1032TZDS-CC has indicators for A.C. On, Common Trouble and Signal Silence and controls for System Reset, Lamp Test, Fire Drill, Buzzer Silence and Signal Silence. The RAM-1032TZDS-CC occupies one display position in the BB-1001WP(R)A or BB-1002WP(R)A enclosures.



RAM-1032TZDS Main Remote LED Annunciator

The RAM-1032TZDS Main Remote LED Annunciator provides common annunciator functions and 32 points of LED annunciation. The RAM-1032TZDS has indicators for A.C. On, Common Trouble and Signal Silence and controls for System Reset, Lamp Test, Fire Drill, Buzzer Silence and Signal Silence. The RAM-1032TZDS occupies one display position in the BB-1000 or BB-5000 enclosures.



RAXN-4000LCDGC Main Color Display & Network Remote Annunciator

The RAXN-4000LCDGC, Main Color Display and Network Remote Annunciator is equipped with a 16 line x 40 character color graphical LCD display that is used to display eight events per page. Each event is displayed over 2 lines with 40 characters per line allowing emergency information to be displayed in an easy to read format. The RAXN-4000LCDGC occupies one display position in the BBX-FXMNS, BB-1000 or BB-5000 series enclosures.



RAX-1048TZDS-CC Conformal Coated Programmable LED Annunciator Module

The RAX-1048TZDS-CC Conformal Coated Programmable LED Annunciator Module provides 48 programmable bi-colored LEDs. The RAX-1048TZDS-CC connects to the main panel or either the RAXN-4000LCD or RAM-1032TZDS when mounted remotely. The RAX-1048TZDS-CC occupies one display position in the BB-1002WP(R)A Series enclosures.



RAX-1048TZDS Programmable LED Annunciator Module

The RAX-1048TZDS Programmable LED Annunciator Module provides 48 programmable bi-colored LEDs. The RAX-1048TZDS connects to the main panel or either the RAXN-4000LCD or RAM-1032TZDS when mounted remotely. The RAX-1048TZDS occupies one display position in the BB-1000 or BB-5000 Series enclosures.

Graphic Annunciator Driver Modules



MGD-32 Master Graphic Driver Module

For use with FX-401, FA-1000, FX-2000 and FX-4000 Series Fire Alarm Control Panels. The MGD-32 Master Graphic Driver Module provides common control inputs for the switches such as System Reset, Signal Silence, Auxiliary Disconnect, Fire Drill, Lamp Test and Acknowledge



AGD-048 Adder Graphic Annunciator Adder Driver Board

The AGD-048 Adder Graphic Driver Module can be used with the MGD-32 to support an additional 48 supervised outputs. The AGD-048 mounts in a graphic annunciator wall box or in the BB-5000 enclosures.

Graphics Software

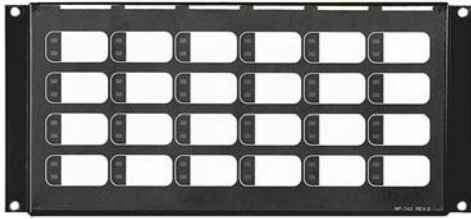


Open Graphic Navigator (OpenGN)

Open Graphic Navigator (OpenGN) is a centralized fire alarm management system that provides building or campus monitoring. As a powerful integration tool, OpenGN allows operators to monitor remote sites from multiple workstations located anywhere in the world. OpenGN displays monitored buildings and campuses in both 2D and 3D representations, and is highly customizable.

Model	Description
OGN-FLSLIC-ONE	Single Fire Alarm Control Panel License Requires: OGN-KEY (sold separately)
OGN-FLSLIC-EXP	Fire Alarm Control Panel License for 2-9 Connections Requires: OGN-KEY(sold separately)
OGN-FLSLIC-STD	Fire Alarm Control Panel License for 10-99 Connections Requires: OGN-KEY (sold separately)
OGN-FLSLIC-ENT	Fire Alarm Control Panel License for 100+ Connections Requires: OGN-KEY (sold separately)
OGN-KEY	OGN License Key Stick

Programmable Modules



IPS-2424DS Programmable Input Switches Module

The IPS-2424DS provides 24 programmable switches that can be configured for ancillary functions such as zone bypass or added common control functions. The IPS-2424DS connects to the main panel or the RAXN-4000LCD when mounted remotely. The IPS-2424DS occupies one display position in the FX-4009-12N, BB-1000 or BB-5000 Series enclosures.



FDX-008W/KI Fan Damper Module

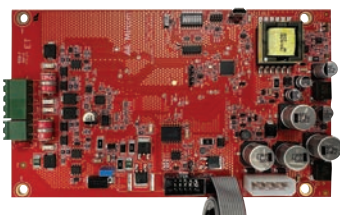
The FDX-008W/FDX-008WKI Fan Damper Control Module provides individually programmed circuits which can be used for fan or damper control. The FDX-008W/FDX-008WKI connects to the main panel or the RAXN-4000LCD and occupies one display position in the FX-4009-12N, BB-1000 or BB-5000 Series enclosures.



IPS-4848DS Programmable Input Switches Module

The IPS-4848 provides 48 programmable switches that can be configured for ancillary functions such as zone bypass or added common control functions. The IPS-4848DS connects to main control unit or the RAXN-4000LCD when mounted remotely. The IPS-4848DS occupies one display position in the FX-4009-12N, BB-1000 or BB-5000 Series enclosures.

Adder Loop Controller Modules



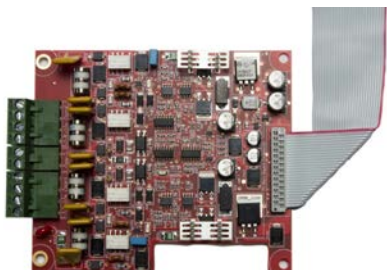
ALCN-240ISO Isolated Single Loop Adder Module

For MIX-4000 devices, the ALCN-240ISO Isolated Single Loop Adder Module provides one Signaling Line Circuit (SLC) with ground fault detection to the system. The SLC on this loop card supports up to 240 MIX-4000 series devices. The ALCN-240ISO occupies one module slot.



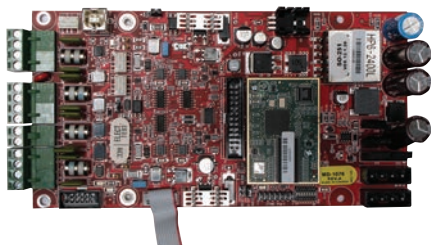
ALCN-960MISO Isolated Quad Loop Adder Module

For MIX-4000 devices, the ALCN-960MISO Isolated Quad Loop Adder Module provides two Signaling Line Circuits (SLC) with ground fault detection to the system consisting of 240 MIX-4000 devices per loop. The ALCN-960MISO can be expanded with the use of the ALCN-960D Daughter Board Module. The ALCN-960MISO occupies one module slot.



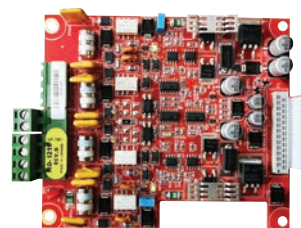
ALCN-960D Daughter board for ALCN-960MISO

For MIX-4000 devices, the ALCN-960D Daughter Board provides an additional two SLC loops when connected to the ALCN-960MISO Isolated Quad Loop Adder Module. The daughter board mounts on top of the ALCN-960MISO.



ALCN-4792MISO Isolated Quad Loop adder Module

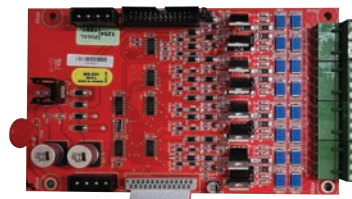
The ALCN-4792MISO Isolated Quad Loop Adder Module provides two Signaling Line Circuits (SLC) with ground fault detection to the system consisting of 159 Analog Sensors and 159 Addressable Modules per loop. The ALCN-4792MISO can be expanded with the use of the ALCN-792D Daughter Board Module. The ALCN-4792MISO occupies one module slot.



ALCN-792D Daughter board for ALC-4792MISO

The ALCN-792D Daughter Board provides an additional two SLC loops when connected to the ALCN-4792MISO Isolated Quad Loop Controller Module. The daughter board mounts on top of the ALCN-4792MISO.

Adder Hardware Modules



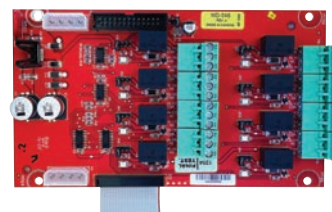
DM-1008A Eight Initiating Circuit Module

The DM-1008A provides 8 Style B (Class B) or 4 Style D (Class A) Initiating Circuits configurable for Alarm, Supervisory or Trouble zones. The DM-1008A occupies one module slot.



SGM-1004S Four Notification Appliance Circuit Output Module with Built-in Synchronization

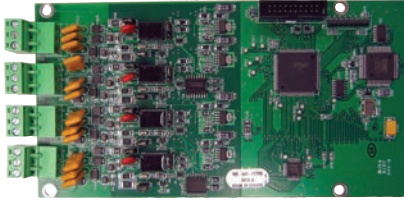
The SGM-1004S provides up to four indicating circuits each rated at regulated 24 VDC/FWR 1.7 Amps (5 Amps maximum per SGM-1004S) to signal devices such as strobes, bells, horns, etc., and for special applications it is rated at 33 VDC/FWR 2.1 Amps (5 Amps maximum per SGM-1004S). Each of the indicating circuits can be configured as non-silenceable (steady) or silenceable. SGM-1004S enables the compatible fire alarm control panels to have synchronized NAC circuits.



RM-1008A Eight Relay Circuit Module

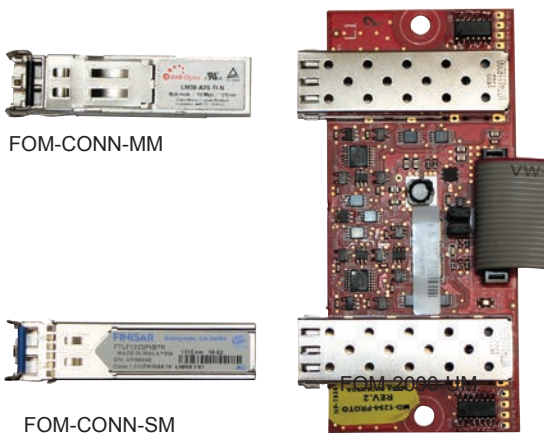
The RM-1008A provides the system with eight individual configurable relays per module. Each relay provides one Form C contact rated at 28 VDC @1 Amp (resistive load) as well as a Green LED to indicate that the relay is active. The RM-1008A occupies one module slot.

Network Controller Modules



FNC-2000 Fire Network Controller Module

The FNC-2000 provides network capability to the system. One Fire Network Controller Module is required per network node panel. In addition the FNC-2000 provides an interface for adding an optional “FOM-2000-UM” Fiber Optic Network Adder Module. The FOM-2000-UM allows for single-mode or multi-mode fiber optic communication on a Flex-Net.



FOM-2000-UM Fiber Card Universal Mode

Allows for single-mode or multi-mode fibre optic communication on a Flex-Net network. Add FOM-CONN-SM and FOM-CONN-MM

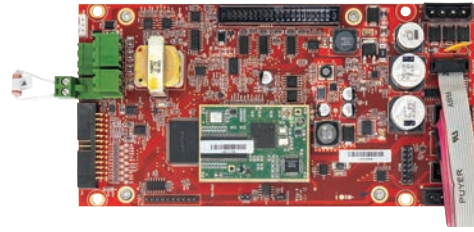
FOM-CONN-MM Fiber Optic Connector Multi-Mode

Fibre Optic Module Connector Multi-mode (pack of 2). Must use a FOM-2000-UM

FOM-CONN-SM Fiber Optic Connector Single-Mode

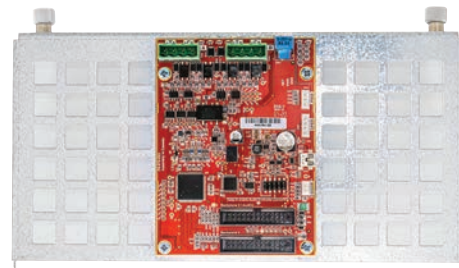
Fibre Optic Connector Single Mode (pack of 2). Must use a FOM-2000-UM

Audio Controller Modules



ANC-6000

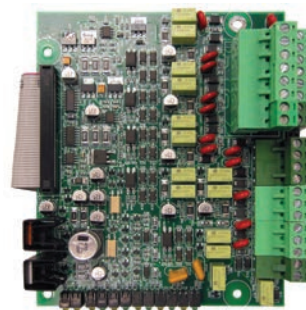
The ANC-6000 Audio Network Controller module is mounted in a BBX-FXMNS-6000 backbox over the main fire alarm board. The ANC-6000 Audio Network Controller provides audio interface microphone and control on the network system and provides access to four channels for Alert, Evacuation, Paging and external audio. One ANC-6000 is required in each node of a distributed 6000 audio system.



QCC-6000

Communication Card is required for audio system expansion. It mounts on the right side of the QMB-6000 backplane. The QCC-6000 can also mount in BB-5000 Series backbox, using the CH-001608 plate that comes as part of the QCC-6000 package.

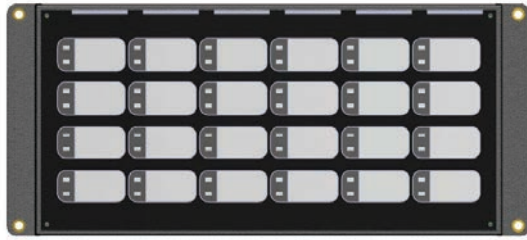
It allows for remote audio cabinet expansion up to 2000 feet (suitable wire gauge is 18 AWG). It supports up to 9 expansion cabinets on each Flex-Net main node.



TNC-5000

Telephone Network Controller module. This module is mounted over the ANC-6000 module. The recommended mounting of the TNC-5000 is sideways with LEDs across the top. The TNC-5000 can also be mounted on the bottom-right position of the FX-MNS6000-CH using the CH-001608 plate that comes as a part of the TNC-5000 package.

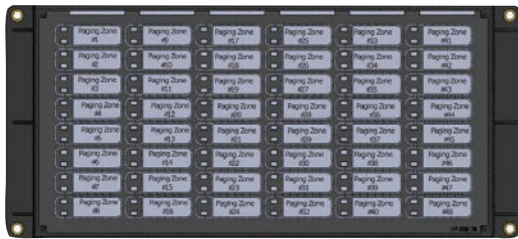
Paging/Telephone Control Modules



QAzt-5302DS

Addressable Telephone and Paging Selector Panel mounts in the BBX-FXMNS-6000 backbox.

Each QAzt-5302DS annunciates and controls up to 24 audio zones. There is one button and two LEDs per zone. The lower amber LED indicates Zone trouble. The upper green LED indicates whether that zone is selected for voice paging via the master microphone. Paging zone selection buttons toggle ON and OFF voice paging for that zone.

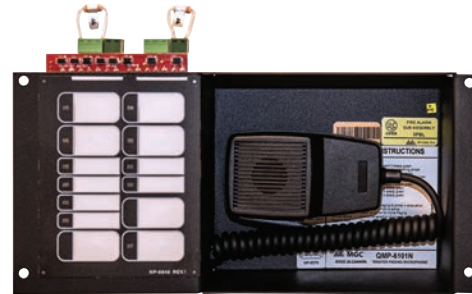


QAzt-5348DS

Addressable Telephone and Paging Selector Panel mounts in the BBX-FXMNS-6000 backbox.

Each QAzt-5348DS annunciates and controls up to 48 audio zones. There is one button and two LEDs per zone. The lower amber LED indicates Zone trouble. The upper green LED indicates whether that zone is selected for voice paging via the master microphone. Paging zone selection buttons toggle ON and OFF voice paging for that zone.

Network Paging Control Module



QMP-6101N

The QMP-6101 Network Master Paging Control Module includes the paging microphone and common control indicators. The QMP-6101 interconnects between other microphone modules in the Integrated Flex-Net & Digital Audio system. The QMP-6101 connects via a ribbon cable to the first QAzt-5348DS or QAzt-5302DS Zoned Selector Panel. The QMP-6101N occupies one module space in the BB-5000 series enclosures. The QMP-6101N is driven off the RS485 wire and no display/remote annunciator ribbon cable connection is required.

Network Telephone Control Module



QMT-5302N Network Master Firefighters' Telephone Control Module

The QMT-5302N includes the Master Telephone Handset and common control indicators. The QMT-5302N supports the QAzt-5302DS and QAzt-5348DS Paging and Telephone selector modules. The QMT-5302N occupies one module space in the BB-5000 Series enclosures.

Power Supply Expansion



INX-10A Intelligent Booster Power Supply

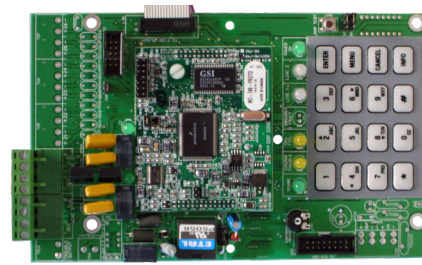
Mircom's INX-10A is an Intelligent NAC expander/ power supply that works with listed compatible Intelligent fire alarm control panels. Available in a 10 Amp configuration, the INX-10A can extend the power capabilities of existing notification appliance circuits as well as provide power for other ancillary devices. In addition, the INX-10A has the ability to operate with any UL/ULC Listed 24 VDC fire alarm control panel to provide Notification Appliance Circuit expansion.



INX-10AC Internal Booster Power Supply Module

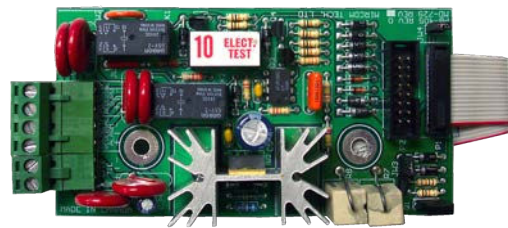
Mircom's INX-10AC is an Intelligent Booster Power Supply that extends the power capabilities of existing notification appliance circuits as well as provide power for other ancillary devices. The INX-10AC has 10 amps of power and mounts inside the BB-5014 enclosure.

Adder Auxiliary Modules



UDACT-300A Digital Alarm Communicator Module

The UDACT-300A Digital Communicator allows the system to transmit addressable point information to a central station. The UDACT-300A occupies one module slot.



PR-300 Polarity Reversal/City Tie Module

The PR-300 provides outputs for city box and polarity reversal applications. As a city tie module, the PR300 provides an interface between the control panel indicating circuits and a master box. It provides off-premises signal transmission for systems that must comply with NFPA requirements for Auxiliary Protective Systems. As a polarity reversal module, the PR-300 provides an interface between the control panel and a reverse polarity receiver.

Accessories



UIMA4 – Interface for Configuring MGC Fire Panels

The UIMA4 is an interface for configuring Flex-Net FA-300, FX-401, FX-2000, FX-3500, FX-3318, FX-4000, QX-5000, and UDACT-300. The UIMA4's ribbon cable can be disconnected and replaced – the replacement part number is RPL-WC-25022 (it comes with 3 replacement cables). The UIMA4 interface has 3 connectors: 9 pin male serial connector, USB B female connector, and 10 pin female connector.



RTI-1 – Trouble Remote Indicator

Mircom's Remote Trouble Indicator provides remote annunciation of fire alarm troubles. The RTI-1 mounts onto a standard single gang electrical box. The RTI-1 can be used with any of Mircom's fire alarm control panels.



MP-300 – End of Line Plates

Mircom's MP-300 is a 3.9K End Of Line resistor for use with Mircom conventional panels and detection circuits.



ECX-0012 Expander Chassis

The ECX-0012 Expander Chassis for the FX-4009-12N supports up to 12 adder modules and has space for 2 internal annunciator modules. The ECX-0012 mounts in the BB-5000 series enclosures.



M500-BK9 Module Mounting Bracket

The M500-BK9 Module Mounting Bracket mounts inside the BB-5000 Series enclosures and provides space to mount up to nine M500 style intelligent modules.

Current Consumption

Model	Description	Standby (Amps)	Alarm (Amps)
FleX-Net FX-4000 Series Network Lobby Control and Floor Panels - Integrated Fire and Audio Systems			
FX-4009-12N	Compact Main Network Control Unit (12 Amp)	0.310	0.733
Displays			
DSPL-420DS	4 x 20 Main LCD Display for FX-4009-12N	0.024	0.025
DSPL-420-16TZDS	4 x 20 Main LCD Display for FX-4009-12N w/16 LEDs	0.010	0.046
DSPL-2440DS	Graphical Main Display for FX-4009-12N	0.029	0.035
Adder Loop Controller Modules			
ALCN-240ISO	Isolated Single Loop Controller Module (for MIX-4000 Devices)	0.059	0.080
ALCN-4792MISO	Isolated Quad Loop Controller Module (for Mircom CLIP and Select Series Devices)	0.130	0.145
ALCN-792D	Daughter board for ALC-4792MISO Isolated Quad Loop Controller Module	0.130	0.145
ALCN-960MISO	Isolated Quad Loop Controller (for MIX-4000 Devices)	0.130	0.145
ALCN-960D	Daughter Board for ALCN-960MISO	0.130	0.145
Adder Hardwire Modules			
DM-1008A	Eight Class B (Style B) or 4 Class A (Style D) Initiating	0.080	1 zone active: 0.125 2 zones active: 0.170 4 zones active: 0.275 6 zones active: 0.370 8 zones active: 0.465
SGM-1004S	Four Class A/B (Style Z/Y) Notification Appliance Circuit Module (Rated at 1.7 Amps per circuit)	0.031	0.096
RM-1008A	Eight Relay Circuit Module c/w eight form C relays (Rated for 28 VDC @ 1 Amp max. per relay)	0.025	0.150
Adder Auxiliary Modules			
UDACT-300A	Digital Alarm Communicator Transmitter/Dialer Module	0.045	0.120
PR-300	Polarity Reversal and City Tie Module	0.035	0.300
Programmable Modules			
IPS-2424DS	Programmable Input Switches Module c/w 24 selector switches and 24 bi-coloured LEDs	0.010	0.015
IPS-4848DS	Programmable Input Switches Module c/w 48 selector switches and 48 bi-coloured LEDs	0.010	0.022
FDX-008W	Fan Damper Control Module c/w 8 programmable switches	0.015	0.035
FDX-008WKI	Fan Damper Control Module	0.015	0.035
Remote Annunciators			
RAXN-4000LCD	Remote LCD Annunciator	0.139	0.164
RAXN-4000LCDGC	Main Color Display & Network Remote Annunciator	0.225	0.235
RAM-1032TZDS	Main Remote LED Annunciator c/w 32 Bi-Colored LEDs	0.050	32 zones active: 0.300
RAM-1032TZDS-CC	Conformal coated 32 zone remote LED annunciator with trouble LEDs	0.050	32 zones active: 0.300
RAX-1048TZDS	Adder Annunciator Chassis c/w 48 Bi-Colored LEDs	0.022	48 zones active: 0.262
RAX-1048TZDS-CC	Conformal coated Adder Annunciator Chassis c/w 48 Bi-Colored LEDs	0.022	48 zones active: 0.262
MGD-32	Graphic Annunciator	0.035	1.6
AGD-048	Graphic Annunciator Adder Driver Board	0.035	# of LEDs x 4mA
Network Controller Modules			
FOM-CONN-MM	Fibre Optic Module Connector Multi-mode (pack of 2). Must use a FOM-2000-UM	0.042	0.042
FOM-CONN-SM	Fibre Optic Connector Single Mode (pack of 2). Must use a FOM-2000-UM	0.016	0.016
Audio Components			
ANC-4000	Audio Network Controller Module	0.255	0.265
ANC-6000	Audio Network Controller Module	0.082	0.087
TNC-5000	Telephone Network Controller Module	0.195	0.215
FNC-2000	Fire Network Controller Module	0.190	0.190
QCC-6000	Communication Card	71.4mA	77mA
QMP-6101N	Horizontal Master Paging Module	0.0205	0.0205

QMT-5302N	Horizontal Master Telephone Module	0.003	0.013
QAZT-5302DS	Paging/Telephone Zone Module	0.005	0.022
QAZT-5348DS	Paging/Telephone Zone Module	0.010	0.022
Accessories			
RTI-1	Trouble Remote Indicator	0.035	0.035

Ordering Information

Model	Description
Flex-Net FX-4000 Series Network Lobby Control and Floor Panels - Integrated Fire and Audio Systems	
FX-4009-12N	Compact Main Network Control Unit (12 Amp)
Displays	
DSPL-420DS	4 x 20 Main LCD Display for FX-4009-12N
DSPL-420-16TZDS	4 x 20 Main LCD Display for FX-4009-12N w/16 LEDs
DSPL-2440DS	Graphical Main Display for FX-4009-12N
Enclosures	
BB-5008	Enclosure Lobby Control Center
DOX-5008MB/R	Door for BB-5008 - "B" for Black and "R" for Red
CCH-5008-PANELKIT	Panel Mounting Kit for BB-5008
CCH-5008-ANNUNKIT	Annunciator Mounting Kit for BB-5008
BB-5014	Enclosure Lobby Control Center
DOX-5014MB/R	Door for BB-5014 - "B" for Black and "R" for Red
CCH-5014-PANELKIT	Panel Mounting Kit for BB-5014
CCH-5014-ANNUNKIT	Annunciator Mounting Kit for BB-5014
BB-1001D/DR/DS/DB	Remote Annunciator Enclosure Houses one module. "D" White, "DR" Red, "DS" Stainless Steel, or "DB" for Black Door.
BB-1002D/DR/DS/DB	Remote Annunciator Enclosure Houses two module. "D" White, "DR" Red, "DS" Stainless Steel, or "DB" for Black Door.
BB-1003D/DR/DS/DB	Remote Annunciator Enclosure Houses three module. "D" White, "DR" Red, "DS" Stainless Steel, or "DB" for Black Door.
BB-1008D/DR/DB	Remote Annunciator Enclosure Houses eight modules. "D" White, "DR" Red or "DB" for Black Door.
BB-1012D/DR/DB	Remote Annunciator Enclosure Houses twelve modules. "D" White, "DR" Red or "DB" for Black Door.
BB-1001WP(R)A	Weather Protected Enclosure Enclosure Houses one module. White. BB-1001WPRA for red.
BB-1002WP(R)A	Weather Protected Enclosure Enclosure Houses two module. White. BB-1002WPRA for red.
Adder Loop Controller Modules	
ALCN-240ISO	Isolated Single Loop Controller Module (for MIX-4000 Devices)
ALCN-4792MISO	Isolated Quad Loop Controller Module (for Mircom CLIP and Select Series Devices)
ALCN-792D	Daughter board for ALC-4792MISO Isolated Quad Loop Controller Module
ALCN-960MISO	Isolated Quad Loop Controller (for MIX-4000 Devices)
ALCN-960D	Daughter Board for ALCN-960MISO
Adder Hardwire Modules	
DM-1008A	Eight Class B (Style B) or 4 Class A (Style D) Initiating
SGM-1004S	Four Class A/B (Style Z/Y) Notification Appliance Circuit Module (Rated at 1.7 Amps per circuit)
RM-1008A	Eight Relay Circuit Module c/w eight form C relays (Rated for 28 VDC @ 1 Amp max. per relay)
Adder Auxiliary Modules	
UDACT-300A	Digital Alarm Communicator Transmitter/Dialer Module
PR-300	Polarity Reversal and City Tie Module
Programmable Modules	
IPS-2424DS	Programmable Input Switches Module c/w 24 selector switches and 24 bi-coloured LEDs
IPS-4848DS	Programmable Input Switches Module c/w 48 selector switches and 48 bi-coloured LEDs
FDX-008W	Fan Damper Control Module c/w 8 programmable switches
FDX-008WKI	Fan Damper Control Module
Power Supply Expansion	
INX-10A	Intelligent Booster Power Supply
INX-10AC	Internal Booster Power Supply Module

Remote Annunciators	
RAXN-4000LCD	Remote LCD Annunciator
RAXN-4000LCDGC	Main Color Display & Network Remote Annunciator
RAM-1032TZDS	Main Remote LED Annunciator c/w 32 Bi-Colored LEDs
RAM-1032TZDS-CC	Conformal coated 32 zone remote LED annunciator with trouble LEDs
RAX-1048TZDS	Adder Annunciator Chassis c/w 48 Bi-Colored LEDs
RAX-1048TZDS-CC	Conformal coated Adder Annunciator Chassis c/w 48 Bi-Colored LEDs
MGD-32	Graphic Annunciator
AGD-048	Graphic Annunciator Adder Driver Board
Graphic Annunciator Driver Modules	
OGN-FLSLIC-ONE	Single Fire Alarm Control Panel License (Price per connection) Requires: OGN-KEY (sold separately) Contact us for non-Mircom panel connections
OGN-FLSLIC-EXP	Fire Alarm Control Panel License for 2-9 Connections (Price per connection) Requires: OGN-KEY(sold separately) Contact us for non-Mircom panel connections
OGN-FLSLIC-STD	Fire Alarm Control Panel License for 10-99 Connections (Price per connection) Requires: OGN-KEY (sold separately) Contact us for non-Mircom panel connections
OGN-FLSLIC-ENT	Fire Alarm Control Panel License for 100+ Connections (Price per connection) Requires: OGN-KEY (sold separately) Contact us for non-Mircom panel connections
OGN-KEY	OGN License Key Stick
Fire Alarm Network BACnet Single User License	
MGC-LIC-BACNET	Unlocks BACnet port on one network node per license
Fire Alarm Network WEBSEVER Single User License	
MGC-LIC-WEBSEVER	Unlocks WEBSEVER port on one network node per license
Paging/Telephone Modules	
QMP-6101N	Network Master Paging Control Module, Horizontal Mount, for use in BB-5000 series enclosures
QMT-5302N	Network Master Telephone Control Module, Horizontal Mount, for use in BB-5000 series enclosures
QAZT-5348DS	Paging and Telephone Selector Module, 48 Switches
QAZT-5302DS	Paging and Telephone Selector Module, 24 Switches
Network Controller Modules	
FNC-2000	Fire Network Controller Module
FOM-2000-UM	Allows for single-mode or multi-mode fibre optic communication on a Flex-Net-MP network. Add FOM-CONN-SM and FOM-CONN-MM
QCC-6000	Communication Card Module
ANC-6000	Audio Network Controller Module
TNC-5000	Telephone Network Controller Module
FOM-CONN-MM	Fibre Optic Module Connector Multi-mode (pack of 2). Must use a FOM-2000-UM
FOM-CONN-SM	Fibre Optic Connector Single Mode (pack of 2). Must use a FOM-2000-UM
Accessories	
UIMA4	Interface for Configuring MGC Fire Panels
MGC-CONFIG-KIT4	Fire Panel Configuration KIT with UIMA4
RTI-1	Trouble Remote Indicator
MP-300	End of Line Plates
M500-BK9	M500 Series Modules Mounting Bracket for 9 Modules
ECX-0012	Expander Chassis



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