



## Siemens Fire Safety System Connector



Early detection and prevention of fire is an integral part of the protection of any modern structure. Saving lives and property from losses due to fires is a compelling reason for any business to explore advanced technology that enables early warnings or faster response.

Designed for mission critical communication, HipLink is a powerful wireless messaging software solution that provides highly reliable wireless alerts to any text or voice enabled device directly from your Siemens Fire Safety System. This can give your on-site personnel advance warnings of any pending issues and provides an additional precious window of time to investigate and sometimes even avert a combustible situation before it has had an opportunity to escalate into a full-fledged fire. This early warning can result in reduction of loss from both fire and water damage.

### THE HIPLINK SOLUTION

In partnership with Siemens Building Technologies, the world's largest manufacturer of life safety systems, HipLink's Fire Safety Integration module works with the MXL Fire Control System. The MXL Series System Command Centers can detect and signal the presence of fire, smoke, heat, off-normal sprinkler conditions and security violations. HipLink's communications software provides a communications bridge and extends the functionality of the Fire Control system to automatically deliver alarms and alerts generated to any wireless device, desktop pop-up, or voice line within an organization. Targeted notification, based on early detection, delivered to appropriate on-premise individuals can help prevent large-scale fires from happening.

HipLink supports the complete array of communication protocols the wireless carriers use including the most efficient and most reliable one- and two-way internet messaging protocols available today. HipLink is designed as an enterprise grade solution to process and handle thousands of messages across multiple communication protocols and geographic areas.

To ensure that the appropriate individuals are reached, HipLink offers sophisticated grouping features such as escalations, on-duty, round robin, broadcast and multi-device grouping. All of these groups may be nested to assure that messages will be delivered in real time and insure response.

Designed for multi-purpose use, one HipLink base configuration can be used to integrate with security, building management, and IT monitoring systems for automated notification and offers the interface for emergency and disaster response notification. By combining the speed, reach, and reliability of HipLink with Siemens' fire safety products, building maintenance and management teams have additional forms of notification on any wireless device from anywhere, as well as the fire safety panel.

### HOW IT WORKS

The Fire System Integration module can be setup two ways depending on your Siemens installation.

- (a) For a centralized Siemens system, the HipLink server and the FSI operate on the same machine with a dedicated serial port connection to the fire panel.
- (b) For a de-centralized installation with multiple panels to be queried, an independent FSI module is installed and connected to each panel. This module then relays information to the central HipLink server via an Intranet connection.

The HipLink Fire System Integration runs in the background and actively queries the fire panel via a direct RS-232 connection through the NIM-1W communications board at pre-defined intervals. When an event is generated by the Siemens Fire Safety System, HipLink identifies the Alarm/Alert type and sends it out to an individual or group according to the organization's pre-defined rules.

As a safety mechanism, HipLink monitors the connections and can send notification should a system fault occur or if there are communicat

### ALARM TYPES

HipLink Fire System Module queries for new information, on Alarms, Supervisory Alerts and Trouble Conditions. When detected, the following information is sent out to a person or group:

- FIRE ALARM IN – the alarm code, time stamp, type and specific information on the origination of the alarm and device are sent along with custom field information if defined
- SUPERVISORY IN – the point reference, date/time and event number are sent
- TROUBLE IN – the point reference, date/time, event number and trouble are sent
- SYSTEM RESET – an alert is sent to indicate an FSI Panel is reset

### INTEGRATION REQUIREMENTS

- A MXL Siemens Fire Control system RS-232 or RS-485 connection
- The Siemens NIM-1W Communications Board
- HipLink may run on a Windows 2000 and higher platform
- If the fire panels are not networked to a central hub, a separate HipLink Fire Safety Module connection is installed on a low-end Windows machine for each panel monitored.

### EVENT FILTERS – SELECTION ADJUSTABLE

TYPE	FILTER	TYPE	FILTER
Alarm	eAlarmIn	Status	eStatusIn
	eAlarmOut		eStatusOut
	eAlarmAck	Audible	eAudSil
Trouble	eTroubleIn		eAudUnsil
	eTroubleOut	System	eSystemReset
	eTroubleAck	Test	eTestEventIn
Supervisory	eSupvIn		eTestEventOut
	eSupvOut	Flag State	eSystemFlagStateChange
	eSupvAck		eBadConnection
Security	eSecurityIn		
	eSecurityOut		
	eSecurityAck		



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