

# FE900

Digital IP Receiver



**Power packed architecture allows dispersed FE900s to be monitored and maintained remotely from any location.**

## FE900 Hardware

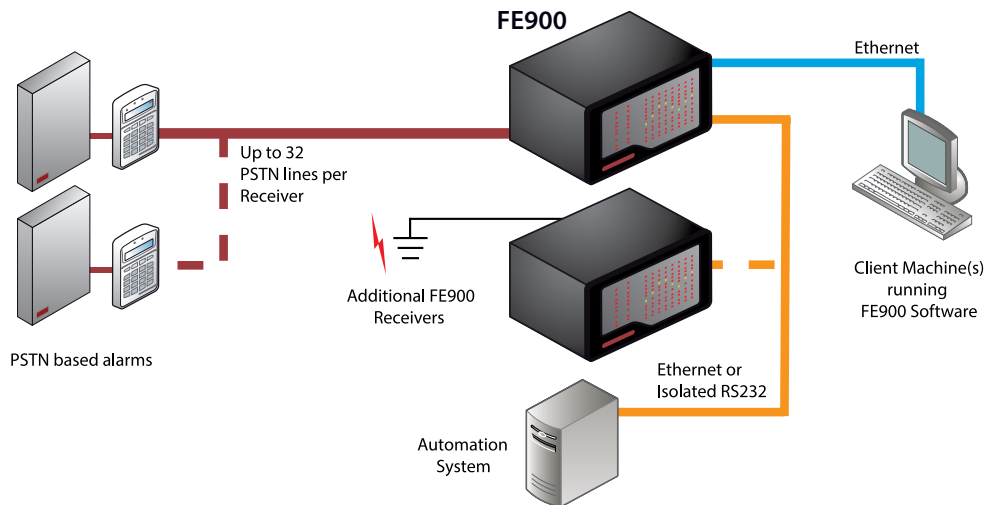
As a standalone receiver, the FE900 packs a powerful punch: It can talk to automation systems via TCP/IP using its built-in Ethernet ports, and/or through its isolated RS232 ports whilst receiving alarms in most communications formats on up to 32 PSTN lines. Main hardware features include:

- Two inbuilt Ethernet ports
- Two isolated RS232 ports
- Supports up to 32 PSTN lines
- Non-volatile 30,000 event buffer
- Hot Swappable, auto-configuring cards
- Speaks all the main communications formats simultaneously.
- Line Cards feature Advanced DSP, 8kV Isolation and Three Stage lightning/ transient protection
- Optional - redundant processor card

## FE900. It packs a powerful punch

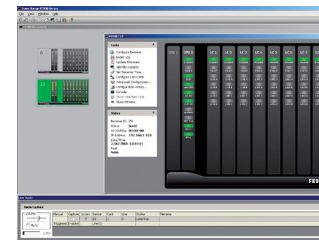


## How it works (benefit selling point title required)



## The Software

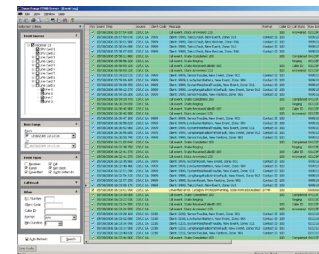
The impressive hardware features are merely the tip of the iceberg. What sets the FE900 further apart from its competitors is the configuration and management software tool that ships with the FE900. The client/server design of the FE900 software allows authorised operators to configure, monitor and manage receivers remotely from any point of an IP network any time, any place. For instance, an operator can 'zoom' to any line on any Line Card on any online FE900 in their system and interact with it. Some of the many features of this remarkable management tool are outlined in these pages.



Receiver Status Screen View

## Other Features

- FE900 continues operation and routing of events to Automation System regardless of the presence or absence of FE900 software
- Allows central station technical staff to update FE900 firmware in both CPU and Line Cards when updates are released
- Firmware upgrades are fail-safe
- Custom "handshake files" can be generated to allow FE900s to handle any peculiarities from non-compliant alarm/dialler panels
- Automatic email of selected alarm events to a maintenance manager\*
- Graphic display of collected statistics
- Line to line call simulation diagnostics\*
- Optional dual-redundant CPU card. Allows uninterrupted operation of FE900 in unlikely event of CPU card failure. Automatic switching



Event Log Screen View

### Receiver Status

- Colour coded status indication of all FE900s in the network, whatever their physical location
- 'Zoom' to a live view of each receiver
- Zoom to any Line or CPU Card on any online receiver

### Line Card Status and Statistics

- Zooming into a Line Card allows an operator to:
  - view status of lines on the card
  - view statistics for the card and its lines
- Comprehensive set of statistics makes for an excellent line diagnosis tool
- Line audio feature

### Audio Features

- Operators can route line audio to PC speakers or capture audio to files for diagnostic purposes
- Route or capture audio from any line on any receiver
- Programmable trigger conditions allow capture to begin when a particular client or caller-ID is decoded

Building on the rock-solid reputation and pedigree of the popular FE100, the Fratech FE900 from Inner Range ushers in a new era of Central Station Receiver technology.

# FE900

## Digital IP Receiver



FE900's powerful architecture allows dispersed FE900s to be monitored and maintained remotely from any location.

On top of the impressive hardware features listed below, the FE900 comes with very powerful and intuitive software which can be used as a double-check to the Automation System. With this tool, an authorised operator can drill down to any Line Card on any online FE900 receiver in their system to perform diagnostics, collect statistics and even capture audio.

*The FE900 is one of the smartest receivers on the market.*

## Features:

- Remote configuration and monitoring of multiple receivers over any IP network using the FE900 management software
- Two inbuilt Ethernet ports per CPU Card
- Two isolated RS232 ports per CPU Card
- Up to 8 Line Cards, supporting a total of up to 32 PSTN lines simultaneously
- Non-volatile 30,000 event buffer
- Hot swappable, auto-configuring Cards
- Speaks all the main communications formats (see table)
- FE900 processes alarms independently of Automation System
- Comprehensive management software to configure, monitor and maintain FE900s. This can serve as a double-check to automation system
- Line Cards feature advanced DSP, 8kV isolation and three stage lightning/transient protection
- Flexible audio capture to FE900 software from any line on any receiver
- Optional redundant CPU Card
- Smart call answering
- Very low power consumption
- Wide input supply range: 8-35VDC
- Extensive self-diagnostic functionality
- Live, fail-safe, versionable firmware updates
- Removable Krone and/or RJ connector blocks for easy installation and maintenance