

## Features

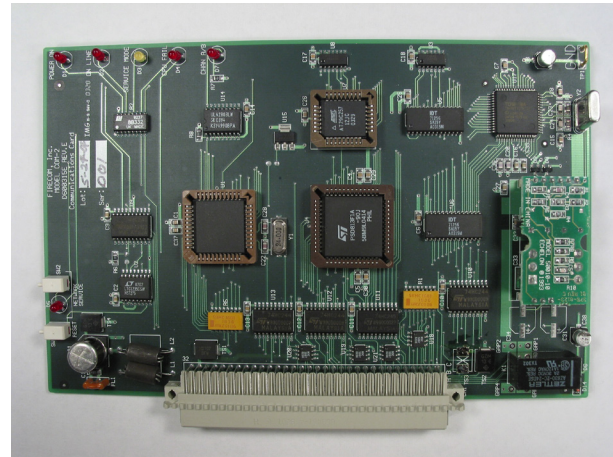
- ▶ Microprocessor Controlled
- ▶ Distributed Intelligent Network Module
- ▶ Echelon® LonTalk® Communications
- ▶ Diagnostic LEDs
- ▶ Low Power Consumption

## Description

The COM-2 Communications Card plugs into the ITC-2001 Intelligent Transmission Cabinet Motherboard, DAB-7 Distributed Addressable Motherboard or CAM-2700 Central Audio Motherboard. When installed in the ITC-2001 Motherboard or the DAB-7 Motherboard, the COM-2 communicates with all installed option cards. The COM-2 broadcast status changes (Alarms & Troubles) from any option card onto the network so other nodes can act upon the information if required. The COM-2 uses Echelon® LonTalk® Communications to communicate to other nodes in the system.

The COM-2 contains the database configuration for the Intelligent Transmission Cabinet along with its distributed Input/Output tables. When the COM-2 receives an alarm message from another node or an option card, it searches its distributed database for any outputs required to turn on. The COM-2 then sends commands to option cards to turn on their outputs. This is done independent of the Fire Command Center (FCC), which allows this node to be a truly distributed intelligent node.

The COM-2 Communication Card is also installed in the CAM-2700 Motherboard in the Central Audio Rack (CAR-2700 Series) and Distributed Audio Cabinets (DAC-2700 Series). It contains the database configuration and I/O tables. When an alarm is broadcast on the network from a node, The COM-2 receives this message and turns on the programmed tones or digital voice messages.



## Application

The COM-2 Communication Card is required to be installed in the ITC-2001, DAB-7 or CAM-2700 Motherboard. In the ITC-2001 & DAB-7, the COM-2 receives status changes from option cards to broadcast on the network and sends commands to option cards to turn on and off their outputs. When the COM-2 is installed in the Central Audio Rack, it controls the digital tones and voice messages.

## Approvals and Listings

Underwriters Laboratories (File No. S2184)  
NYC MEA (MEA No. 32-95-E)  
California State Fire Marshal (7165-1496:0100)

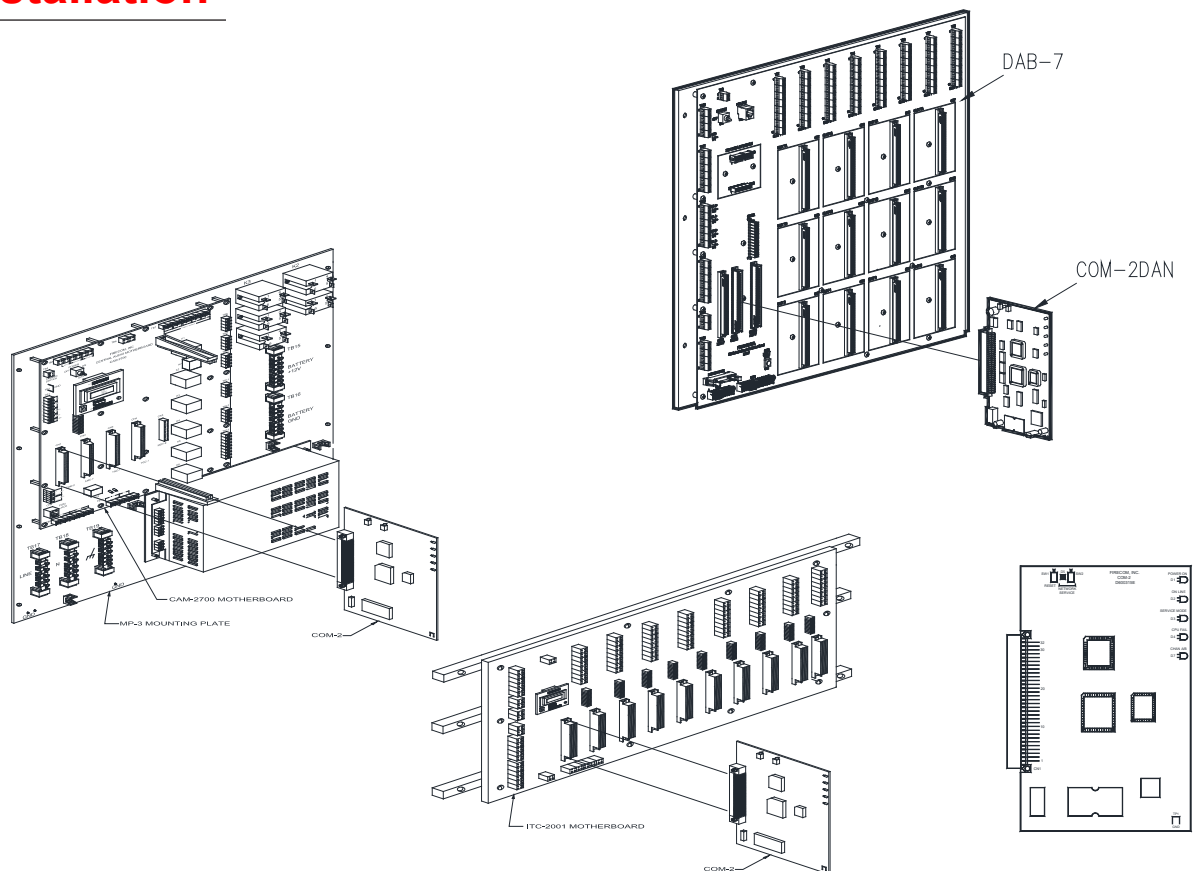


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## Engineering Specifications

The COM-2 shall be required to be installed in an ITC-2001 Intelligent Transmission Motherboard, DAB-7 Distributed Addressable Motherboard or CAM-2700 Central Audio Motherboard. It shall contain database configuration information for other cards installed in the motherboard. The COM-2 shall also contain Input/Output table information to allow it to be a distributed intelligent node. The COM-2 shall be a microprocessor based card and communicate to other nodes via Echelon® LonTalk® Communications. In the event of a microprocessor failure on the COM-2, the Intelligent Transmission Cabinet, Distributed Addressable Node, Central Audio Rack or Distributed Audio Cabinet will operate in a degraded mode operation allowing outputs and tones to turn on.

## Installation



## Electrical Specifications

Operating Voltage	24VDC
Operating Temperature	0°C to 49°C
Operating Relative Humidity Range	0% to 93% @ 32°C
Battery Standby Current	30mA
Battery Alarm Current	30mA

## Ordering Information

Model No.	Part No.	Description
COM-2	71242	Communications Card

It is our intention to keep the product information up to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information contact: FIRECOM, INC.