MCG 3210i Intelligent Field Interface Card Rack

Standard Configuration

The MCG 3210i Intelligent Field Interface Card Rack is a powerful, flexible interface that allows L&J engineering host systems to communicate with field devices communicating L&J Tankway communication protocol, regulates the device power, signal, and voltage levels. Moreover, since each field wiring branch can be isolated using the MCG 3210i, a complete cable failure in one branch will not affect the remaining branches.

The MCG 3210i will also protect control room equipment from receiving misapplied power due to improper field wiring. The control room equipment is also protected against transient voltages from the field because of built-in surge suppression circuitry.

The MCG 3210i provides a 4-wire data highway for each field. Each FIC board has the capability of providing power and communication for up to 128 field devices (gauges, transmitters, RTU's etc).

Intelligent Configuration

Other intelligent options allow the MCG 3210i Series to provide power and communication to L&J field devices, and an RS-232 port for communication with L&J host system.

Intelligent Field Interface Card (IFIC)

The Intelligent Field Interface Card is a seamless upgrade to the existing FIC's currently installed in the L&J Field Interface Racks, with the benefit of communicating critical field data to the MCG 3900 Gauging System.
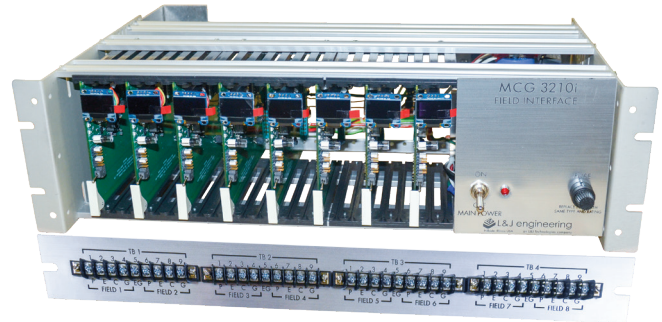
Features

- Flexible Data Interface

- Reliable Field Signal Conversions

- Greater Data Security

Applications

- Expands MCG Inventory Management Systems
- Communicates between L&J Field devices and L&J host systems
- Used to take advantage of isolation and field splitting features

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5911 Butterfield Road Hillside, IL 60162 • tel: (708) 236-6000 • fax: (708) 236-6006
sales@ljtechnologies.com • www.ljtechnologies.com • ISO 9001: 2015 Certified   Rev: MCG 3210i-3B

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Specifications:

Mounting Options:
19" Rack

Communication Ports Available:
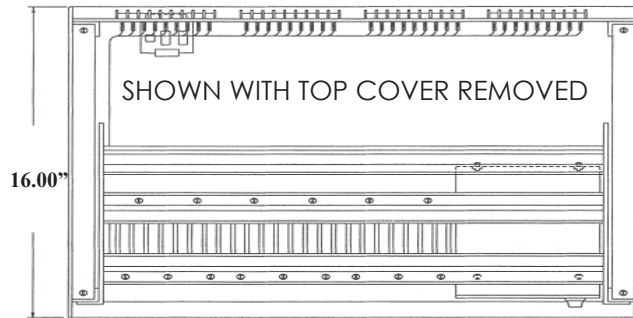1 to 8

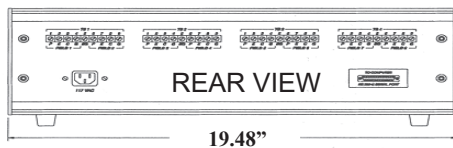**Power Source Options:**
110 VAC Standard
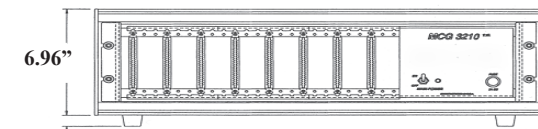220 VAC Optional

Dimension
(rack) 3"H x 19"W x 16"D

Dimensions

SHOWN WITH TOP COVER REMOVED

16.00"

TOP VIEW

REAR VIEW

19.48"

6.96"

0.63"

FRONT VIEW

Typical System Layout

INVENTORY MANAGEMENT SYSTEM

MCG 3210i

MCG 2000MAX

MCG 1600SFI
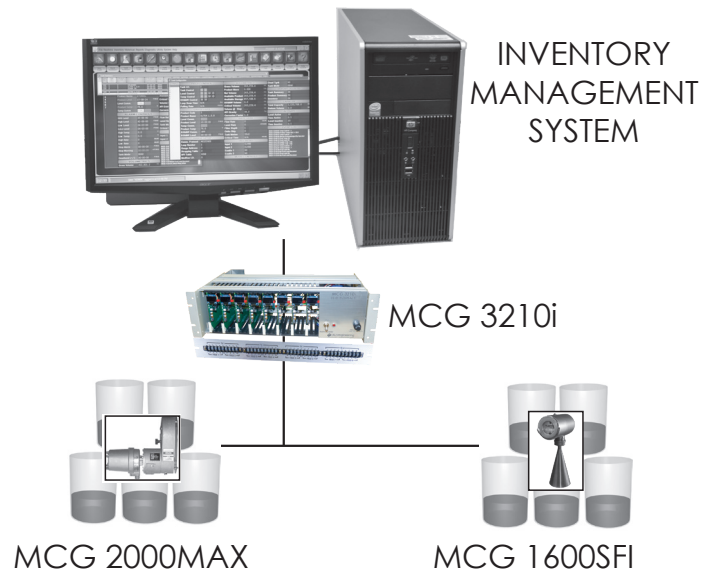
All designs subject to change. Certified dimensions and specifications available upon request.

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MCG 3210i Ordering Guide

MCG 3210i Field Interface Card Enclosure

Model Number Selection:

The model number will consist of a base number **MCG 32XX** followed by 10 digits. These digits will represent 5 sets of option tables:

MCG 32XX - AB - CD - EF - GH - IJ

AB - Number of Slots	
00	1 Slot
01	3 Slots
02	4 Slots
03	5 Slots
04	6 Slots
05	7 Slots
06	8 Slots
08	2 Slots

CD - Number of FIC Boards	
00	No Boards
01	1 Board
02	2 Boards
03	3 Boards
04	4 Boards
05	5 Boards
06	6 Boards
07	7 Boards

EF - Connection to Computer/ Number of Ports*	
01	1 Port
02	2 Ports
03	3 Ports
04	4 Ports
05	5 Ports
06	6 Ports
07	7 Ports
08	8 Ports

*Must be equal to the number of slots (Table 1)

GH - Port Type	
00	TTL Output
01	RS 232 Output (Standard with MCG 3900)
03	RS 485
04	Smart Ethernet*

*Table EF must use option 01

IJ - Power	
03	110 VAC, 4 amp
04	220 VAC, 4 amp
05	110 VAC, 8 amp
06	220 VAC, 8 amp

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