

FG-LCD-MMI

For EasyIO, Sedona, JACE's and Supervisors



Description

The FG-LCD-MMI is a smart and cost effective human machine interface, HMI LCD approach to display real time status information and modify points value on building control system in additional to conventional Niagara AX system. The LCD is a touch screen display which provides ease of usage for different users. It works in latest Sedona Framework™ and interfaces seamless with all Sedona-based devices and makes information accessible from all systems connected to these devices.

Features

- ❖ Touch screen with sharp colour display
- ❖ Sedona Framework™ support
- ❖ Communicates with all Sedona devices, with EasyIOFGLcd kit
- ❖ View and edit points
- ❖ Supports multiple data types e.g. Boolean, integer, float
- ❖ Ethernet based
- ❖ Simple configuration/setup on both Sedona devices and LCD display
- ❖ Easy Firmware upgrade
- ❖ Real time data upgrade
- ❖ Small form factor
- ❖ Accessible up to 600 points per controller
- ❖ Access to multiple controller
- ❖ Cost effective upgrade in project phase
- ❖ Minimum effort for system transfer from existing EasyIO product
- ❖ Simplified control of maintenance/facility team
- ❖ Watchdog governed to prevent system abnormality
- ❖ Simple and clean GUI

Technical Specifications

Power Supply	24 VAC/VDC
Power Consumption	Max 1A at 24V
Current Rating	1A at 24VAC/VDC
Communication Port	Ethernet 10/100 Base-T
Processor	ARM Cortex M3 72MHz
SD Card Support	SDSC/SDHC (Card Support for Firmware Upgrades)
LCD Resolution	320 X 240
LCD Colour Depth	RGB (565)
Buzzer	Built-in
Touch Screen	Resistive 3.5"
USB Port	Mini USB (for future upgrades)
Operating Temp	0..+50°C, max 95%rh non-condensing
Storage Temp	-20..+65°C
Operating Humidity	10..95% rH non-condensing
Enclosure	IP40 (Panel Door)
CE Approval	EN61000-6-3: 2001 (Emissions) EN61000-6-2: 2001 (Immunity)
Mounting	Panel Mounting
Terminals	High quality spring-cage terminal blocks
Dimensions	5.3 in x 4.9 in x 1.9 in (135 mm x 125 mm x 48.8 mm) Cut-Out: 4.6 in x 3.9 in (118 mm x 98 mm)

Flexibility and Simplicity at Its Best

The FG-LCD can interface with up to 18 devices at any point in time. A device can be an EasyIO Sedona Controller, JACE or AX Supervisor.

The Sedona devices must have the easyioFGLcd kit installed inside its Sedona platform in order to it to communicate with the LCD display. For a JACE or Supervisor, you need to install the easyioLcd.jar in the modules directory in the JACE or Supervisor.

The cable that is suitable to use to connect from FG-LCD to the devices is the CAT5 cable (straight) with the RJ45 connectors and for the power, a normal power cable will be used.