

i³X Intelligent Control Station



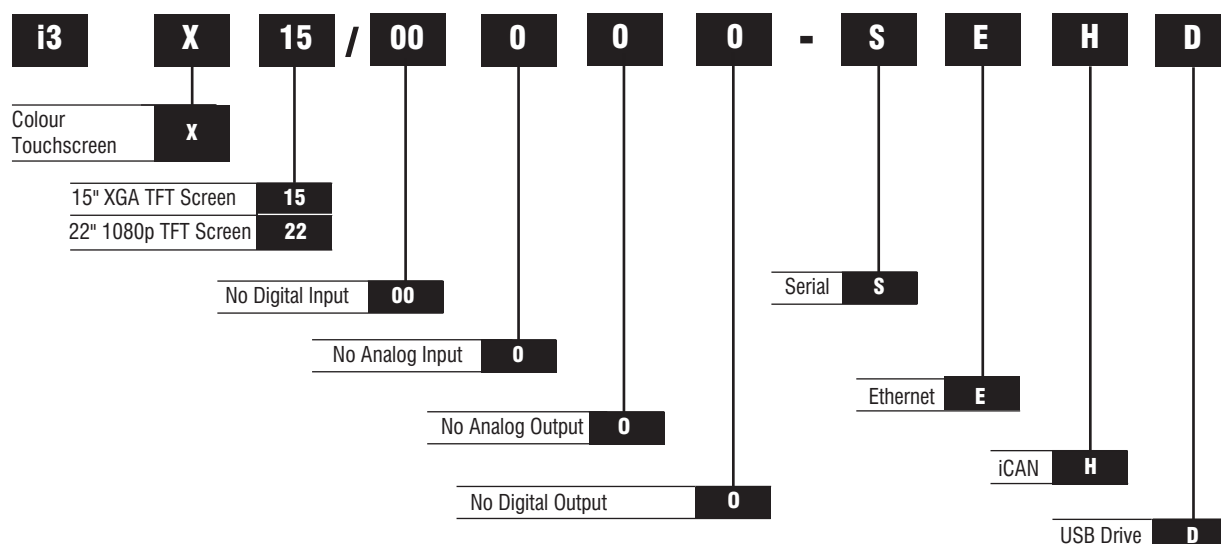
- 15" / 22" TFT Colour Touchscreen
- 65536 Colours
- Real Time Clock
- 2 CAN ports
- 2 RS 232, 1 RS 485
- 10 - 30VDC Power Supply
- 2 Built in Ethernet Port
- 4 USB Ports
- Audio Video Ports
- Remote IO Communication
- Free Configuration Software
- IP65(NEMA4)



Options & Ordering Codes

I3X15/00000-SEHD

I3X22/00000-SEHD



General Specifications

Required Power (Steady State)	2.75A @ 24VDC	
Primary Voltage Range	10 - 30VDC	
Relative Humidity	30 to 90% Non-condensing	
Clock Accuracy	+/- 3 min/month maximum at 25° C	
Operating Temperature	0°C to +45°C	
Storage Temperature	-20°C to +60°C	
Display Type	15" XGA TFT (350 nit typical)	
	22" 1080p TFT (300 nit typical)	
Aspect Resolution	15" - 4:3	22" - 16:9
Screen Resolution	15" - 1024x768	22" - 1920 x 1080
Ladder Memory	1 MB	
Display Memory	130MB	
Display Life	50,000 hours @ 25°C	
User Keys	7 Virtual Function Keys	
Screen Supported	1023	
Colours	65535	
Weight	15" - 5.25Kg	22" 8.25Kg
Approvals	CE	

Communication Ports

Serial Ports

Serial Port 1 & 3 Pin Assignments

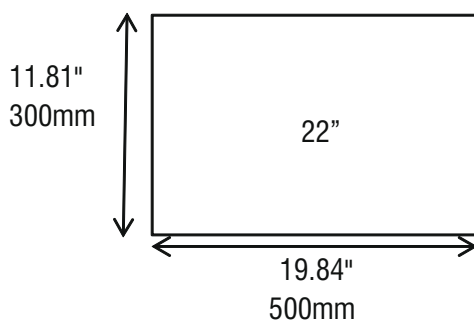
Pin	Signal	Signal Description
9	RI	Ring Indicate
8	CTS	Clear to Send
7	RTS	Ready to Send
6	DSR	Data Set Ready
5	GND	Ground
4	DTR	Data Terminal Ready
3	TX	Transmit (OUT)
2	RX	Receive (IN)
1	CD	Carrier Direct

Serial Ports

Serial Port 2 Pin Assignments

Pin	Signal	Signal Description
9	RI	Ring Indicate
8	CTS	Clear to Send
7	RTS	Ready to Send
6	DSR	Data Set Ready
5	GND	Ground
4	NC	No Connection
3	NC	No Connection
2	Tx/RX+	Transmit / Receive +
1	Tx/RX-	Transmit Receive -

Cut Out Details



Connectivity	
Serial	3 Ports 2 - RS232 & 1 - RS485
Ethernet	2 Ports 10/100/1000 (1 dedicated for I/O), P2P, PC Programming
USB-A	4 - High Speed 2.0 for Removable media functions
Removable Media	Supports 2 USB Based Drives
CAN	2 Ports (1 dedicated to I/O) , P2P, PC Programming...
Remote I/O	iOS, Smart CAN IO, Smart Ethernet IO, iSmart
Video	VGA Video Out for Mirrored Display
Audio	Mic, Line IN, Line Out (For Future upgrade)

CAN Networking Port

CAN Port 1 Pin Assignments

Pin	Signal	Signal Description	Direction
1	#1 V-	CAN#1 Ground Black	
2	#1 CN_L	CAN#1 Data Low Blue	In/Out
3	#1 CN_H	CAN#1 Data High White	In/Out

CAN Port 2 Pin Assignments

4	#2 V-	CAN #2 Bround Black	
5	#2 CN_L	CAN #2 Data Low Blue	In/Out
6	#2 CN_H	CAN #2 Data High White	In/Out

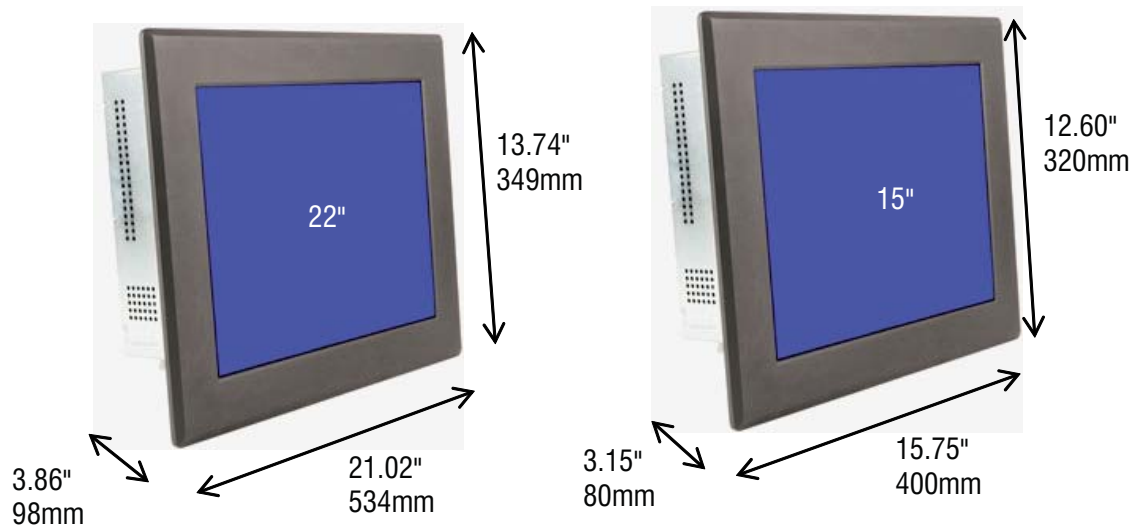
Ethernet Port

Speeds	10 BaseT Ethernet (10-Mbps)
	100 BaseTx Fast Ethernet (100-Mbps)
	1000 BaseTx Ethernet (1000-Mbps)
Modes	Half or Full Duplex
Auto-Negotiation	10/100/100-Mbps and Half-Full Duplex
Connector Type	Shielded RJ-45
Cable Type	CAT5 (or better) UTP (Recommended)
Port	Auto MDI/MDI-X

VGA Port

The VGA port allows the items displayed on the internal display to be mirrored to an external display or projects. The connector uses standard analog VGA signaling and should work with a variety of monitors, displays and projects. The external display should support the native resolution of the i3X unit.

Dimension



Add - ins

1. ODIN OPC SERVER with LOKI Data Logger - ODIN can be used with LOKI to log either to an excel spreadsheet or an access database, with no tag limit and 30+ protocols to chose from (including IMO products, Mitsubishi, Allen Bradley and Siemens), Part No. IMO-OPC-Server.
2. Panel Point SCADA Lite - A powerful graphical editor, and a VB-based scripting language. Panel Point allows a PC to become the central data hub of an application, with no tag limit and 30+ protocols to chose from (including IMO products, Mitsubishi, Allen Bradley, Siemens), Part No. PANELPOINT (Developer) - Part No. PANELPOINT (Runtime)
3. i3Portal is a low-cost, powerful Windows® based software application that will allow to view and access remote i3 controllers via PC, Part No: i3-Portal
4. i3-Transfer is a low-cost, powerful Windows® based software application that allows to easily transfer files between PC and remote i3 controllers, Part No: i3-Transfer

