Graphic OIT

Silver Plus

HMI5150X

15.0" 65K Color TFT LCD Touchscreen with advanced features

- Bright 65,536 (16-Bit) color TFT
- AMD Geode™ LX800 500MHz fanless CPU
- 256 MB Flash storage, 256 MB data memory
- Built-in Ethernet, serial and USB ports
- Support for Allen-Bradley EtherNet/IP and Modbus TCP/IP
- Up to four protocols simultaneously
- TrueType fonts and international characters
- Data logging/Data sampling
- Alarm and recipe management
- Online/offline simulation
- Aluminum enclosure construction
- 2 year warranty

The Silver Plus HMI5150X is a rugged graphic operator interface with a high resolution 15.0" diagonal touchscreen TFT display. The nominal 2.3" depth makes mounting in tight spots easy. The fanless design means no extra space required for cooling. The aluminum bezel and back enclosure provide additional strength and durability.

The HMI5105X has a high speed microprocessor and large memory area that are necessary for complex and graphics-intensive projects. The extensive software features allow alarm management, batch recipes, and data logging; making your operator interface a more integral part of your automation control system.

You can easily give your system a professional look with this vivid display, extensive graphic libraries, and the ability to import custom BMPs, JPGs, or animated GIFs. The HMI5150X

communicates simultaneously with multiple controllers. It is the perfect operator interface solution for your industrial environment in process control, packaging, water treatment, building automation, assembly line controls and many other applications.

The HMI5150X is reliable, affordable, loaded with features, and easy to use. It is another smart solution from the operator interface experts.

Every Machine Needs the Human Touch

Maple Systems INC.

www.maplesystems.com

Hardware

CPU Type	AMD Geode™ LX800 500MHz fanless CPU
Memory	256MB Flash, 256MB SDRAM
Ethernet Ports	10/100 Base-T (RJ45)
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire Com2: RS-232 Com3: RS-232/RS-485, 2 wire
USB Interface	3 USB 2.0 Host ports, Type A
PS/2 Port	1 mini DIN mouse or keyboard
Sound Output	20-bit Stereo Audio Line Out Jack
RTC	Built-in

Display

Type	15.0" TFT color
Size (WxH)	12.00 x 9.06 inches [305 x 230 mm] 15.0" diagonal
Resolution (pixels)	1024 x 768
Brightness (cd/m^2)	350
Contrast Ratio	700:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	95/95/120/120 (T,B,R,L)
Backlight Longevity	50,000 hrs

Touchscreen

Type	4-wire analog resistive
Resolution	Continuous
Light Transmission	Above 80%
Lifespan	1 million activations minimum

Environmental

Operating Temperature	32 ~ 113°F (0 ~ 45°C)
Storage Temperature	-13 ~ 140°F (-25 ~ 60°C)
Relative Humidity	10% ~ 90% (non-condensing)
Shock (operation)	10 to 25Hz (X,Y,Z direction, 2G, 30 minutes)
Ratings	NEMA4/IP65
Certifications	CE, EMI FCC Class A

Specifications subject to change without notice.

Functionality

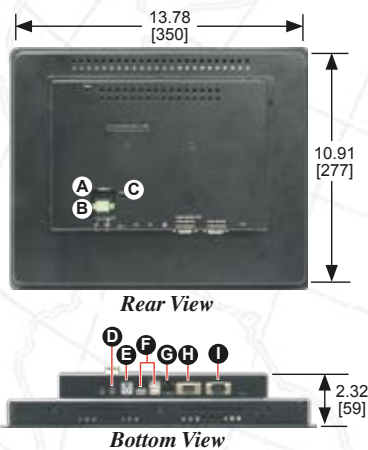|	
Networking	Modbus TCP/IP, AB EtherNet/IP, Remote Monitoring
Multiple Port Connectivity	Up to four protocols simultaneously
Data Transfer	Share data between HMIs and PLCs
Data Logging/Sampling	Up to 1000 records Time/Trigger-based
Hardware Options	Mouse, External Keyboard, Memory Storage, Barcode
Windows Fonts	Unicode support International characters
Multiple Languages	Up to 8 languages per object
Security	6 levels, 3 passwords per level Interlock Safety feature Visibility protection
Macros	Math functions, 32-bit Float support
Recipe Management	Up to 32,767 records Index Feature
Alarm Management	Four priority levels Organize by category Real-Time or History
Trending	Up to 8 channels Real-Time or History Time/Date Capture Watch Line Feature
Ease of Use	Popup windows Offline/Online Simulation Extensive Graphics Libraries PLC pass-through mode

Mechanical

Enclosure	Aluminum
Dimensions (WxHxD)	14.41 x 11.54 x 2.32 inches [366 x 293 x 59 mm]
Panel Cutout Dim. (WxH)	13.86 x 10.98 inches [352 x 279 mm]
Weight	6.4 lbs [2.9 kg]
Mounting	Panel mount or VESA 75 compatible
Power Requirements	24VDC, 1.6A maximum
Warranty	2 years

Order Number

HMI5150X	15.0" TFT Graphic OIT
HMI5150X-KIT	HMI5150X with software and configuration cable

HMI5150X Dimensions

14.41 [366]

11.54 [293]

Front View

13.78 [350]

10.91 [277]

Rear View

Bottom View

2.32 [59]

A Fuse
B Power connector
C Reset button
D Line Out
E Mini DIN mouse or keyboard
F USB host x3
G Ethernet port 10/100 Base-T
H Com1 RS-485 2/4W,
    Com3 RS-485,
    Com3 RS-232
I Com1 RS-232,
    Com2 RS-232

Dimensions in inches [mm]

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