

HMI5150X



15.0" High Speed Graphic HMI

- Bright 65,536 (16-Bit) color TFT
- Analog Resistive Touchscreen
- 32 Bit CISC CPU, 500MHz
- 256 MB Flash storage
- 256 MB data memory
- Built-in Ethernet port
- 3 serial ports and 2 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
- Media Player
- Video Input — 2 channels
- Aluminum enclosure construction

The Maple Systems 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 micro-processor 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**



www.maplesystems.com

HMI5150X Specifications

Hardware

CPU Type	32-Bit CISC 500MHz fanless CPU
Memory	256MB Flash, 256MB SDRAM
SD Card Slot	yes
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 Ports	2 Host
Audio	Line Out x 1, MIC x 1
Video Input Port	NTSC/PAL RCA x 2 (V2 only)
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/m²)	350
Contrast Ratio	550:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	95/95/120/120 (T,B,R,L)
Backlight	CCFLX2
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 ~ 122°F (0 ~ 50°C)
Storage Temperature	-4 ~ 140°F (-20 ~ 60°C)
Relative Humidity	10% ~ 90% (non-condensing)
Shock (operation)	10 to 25Hz (X,Y,Z direction, 2G, 30 minutes)
Ratings	IP65, NEMA4, NEMA4X (indoor only)
Certifications	CE, FCC Class A, cULus listed

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	48MB internal memory – expandable, 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 20 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

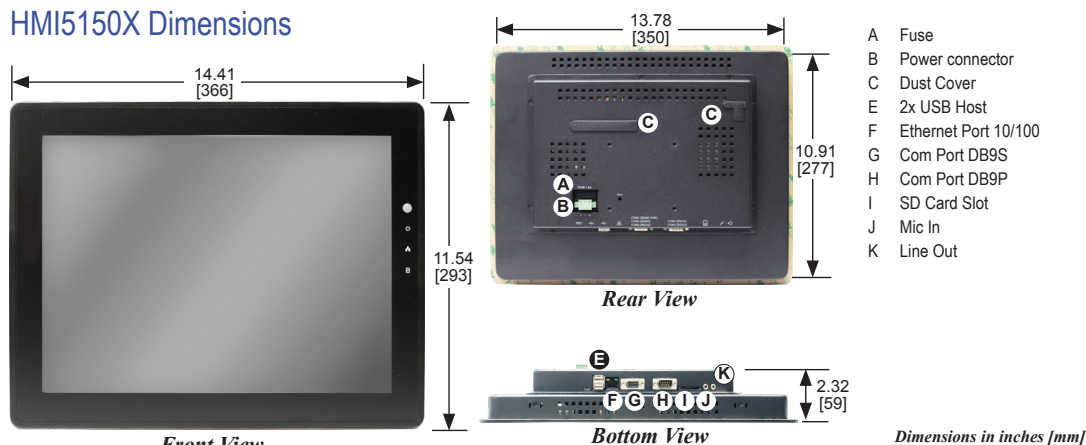
Mechanical

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
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HMI5150X Dimensions



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