



12.1" High Speed Graphic HMI



- Bright 65,536 (16-Bit) color TFT
- Analog Resistive Touchscreen
- 32 Bit CISC CPU, 500 MHz
- 256 MB Flash storage
- 256 MB data memory
- Built-in Ethernet
- 3 Serial and 2 USB Host 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

The Maple Systems HMI5121X is a rugged graphic operator interface with a high resolution 12.1" diagonal touchscreen TFT display. The nominal 2.0" depth makes mounting in tight spots easy. The fanless design means no extra space required for cooling.

The HMI5121X 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 HMI5121X



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 HMI5121X 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

HMI5121X Specifications

Hardware

CPU Type	32-Bit CISC CPU, 500MHz
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 Input x 1
RTC	Built-in

Display

Type	12.1" TFT color
Size (WxH)	9.75 x 7.25 inches [248 x 184 mm] 12.1" diagonal
Resolution (pixels)	800 x 600
Brightness (cd/m ²)	400
Contrast Ratio	500:1
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

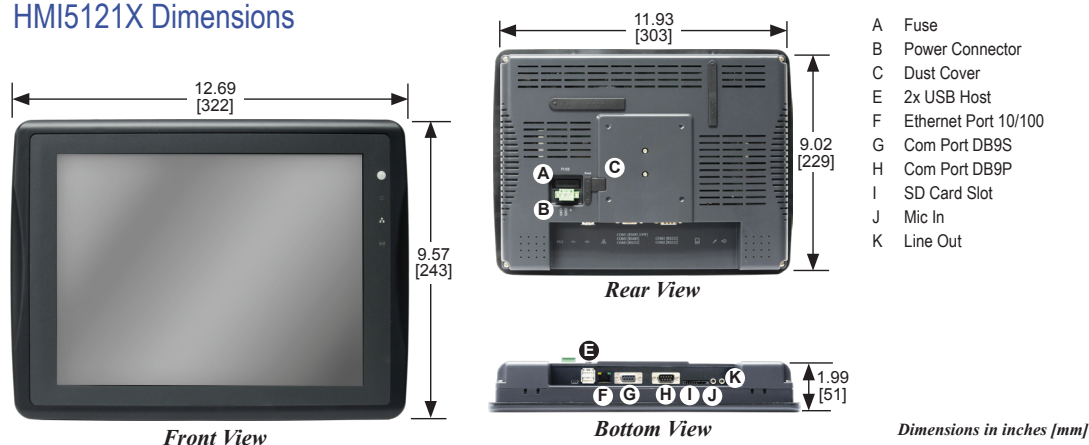
Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	12.69 x 9.57 x 1.99 inches [322 x 243 x 51 mm]
Panel Cutout Dim. (WxH)	12.01 x 9.09 inches [305 x 231 mm]
Weight	4.6 lbs [2.1 kg]
Mounting	Panel mount or VESA 75 compatible
Power Requirements	24VDC, 1.25A maximum
Warranty	2 years

Order Number

HMI5121X	12.1" TFT Graphic OIT
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HMI5121X Dimensions



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