

Graphic OIT

Silver Series

HMI5121X



**12.1" 65K Color TFT LCD Touchscreen
with advanced features**



- Bright 65,536 (16-Bit) color TFT
- 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
- Most popular PLCs supported
- 2 year warranty

The Silver Series 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	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
Sound Output	20-bit Stereo Audio Line Out Jack
RTC	Built-in
SD Card Slot	yes

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/m²)	450
Contrast Ratio	600:1
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	IP65, NEMA4, NEMA4X (indoor only)
Certifications	CE, EMI FCC Class A, cULus Pending

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

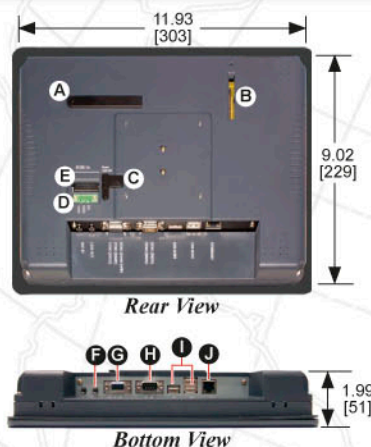
Mechanical

Enclosure	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



- A IDE Interface (DOM slot)
- B CompactFlash™ slot
- C Fuse
- D Power connector
- E DIP SW & reset button
- F Line Out
- G Com1 RS-485 2/4W,
Com3 RS-485,
Com3 RS-232
- H Com1 RS-232,
Com2 RS-232
- I USB host x3
- J Ethernet port 10/100 Base-T

Dimensions in inches [mm]



808 134th St SW, Suite 120
Everett, WA 98204
425.745.3229
425.745.3429 (fax)
maple@maple-systems.com
www.maplesystems.com