



## **HMI5070L** | Standard HMI Series

### 7" Light Grey Industrial HMI











- Enhanced Graphics, Animation
- **Enhanced Security**
- **Email Notification**
- Recipe, Data Logging, Pie Charts
- Trend Graphic, Circular Trends
- Remote Access (Easy Access 2.0)



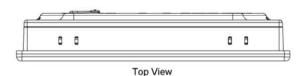
	CPU	32 bit PISC Cortox A8 600 MHz	
	I	32-bit RISC Cortex-A8, 600 MHz	
System	Memory (RAM)	1-2-11-	
	Memory (Flash)	128 MB	
	KIC	Built-in	
I/O Ports	Serial	1 x DE9P COM1: RS-232	
	LAN	1 x DE9S COM1: RS-485 2 or 4 wire, COM3: RS-485 2 wires	
	LAN	1 x 10/100 Base-T RJ-45	
	CANbus	N/A	
	USB Host	1 x USB 2.0	
	USB Client	N/A	
	Audio	N/A	
	Video	N/A	
	Wi-Fi	N/A	
	HDMI®	N/A	
	SD Card Slot	N/A	
Display	Display Type	7" TFT LCD	
	Size (W x H)	6.11 x 3.42 inches [155 x 87 mm]	
	Resolution (pixels)	800 x 480	
	Max. Colors	16.7 M	
	Luminance (cd/m²)	350	
	Viewing Angle (H°/V°)	160/140	
	Contrast Ratio	800:1	
	Backlight Lifetime (hours)	30,000+	
Touch Screen	Туре	4-wire resistive touch	
	Active Area Accuracy	Length (X) ± 2%, width (Y) ± 2%	
Electrical	Input Voltage	24 ± 20% VDC	
	Input Current	350 mA @ 24 VDC	
	Input Power	8.4 W	
	Power Isolation	N/A	
	Isolation Resistance	Exceed 50 MΩ at 500 VDC	
Mechanical	Enclosure	Plastic, light grey	
	PCB Coating	Yes	
	Dimensions (W x H x D)	7.88 x 5.76 x 1.34 inches [200.3 x 146.3 x 34 mm]	
	Net Weight	Approx. 1.32 lbs. [0.6 kg]	
	Mounting	Panel mounting	
Environmental	Operating Temperature	32° ~ 122° F (0° ~ 50° C)	
	Storage Temperature	-4° ~ 140° F (-20° ~ 60° C)	
	Relative Humidity	10% ~ 90% (non-condensing)	
	Vibration Endurance	10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)	
	Ratings	UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel	
	Certifications	cULus (Class I, Div 2 rated), CE, RoHS	
Software	EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC		
Notes	Specifications subject to change without notice		



Dimensions are in inches [mm]

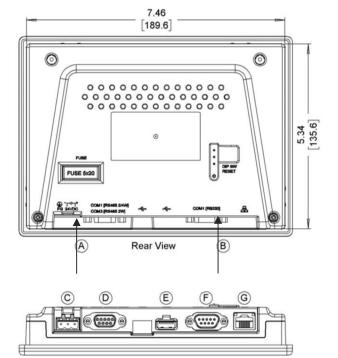






# 7.88 [200.3] 7.56 [192.0] 7.56

Side View



**Bottom View** 

- A Fuse
- B DIP Switches and Reset Button
- C Power Connector
- D COM Port DE9S
- E USB 2.0 Host Port
- F COM Port DE9P
- G Ethernet Port



# Why Buy A Maple HMI

In addition to our powerful and affordable hardware, we'll also continue to support your company long after a sale. Wide product selection, large in-stock inventory, outstanding product warranty, free technical support and software, and in-house repairs with quick turnaround times, Maple Systems has your business covered.



### **Class I, Division 2 HMIs**

We offer CID2 certified HMIs designed to keep operators and their environment safe. These HMIs are being used in a potentially dangerous environment or around flammable hazards every day, and are designed to prevent dangerous explosions and ensure worker safety.

Our CID2 HMIs (HMI5070L and HMI5070LB) are used in industries including oil and gas, mining, painting, chemical processing, pharmaceutical, food processing, and more.

We also have CID2/Atex certified Industrial Panel PCs and Industrial Monitors. And for those looking for PLC functionality, we offer a Class I, Div 2 HMI+PLC combo series.

### **Remote Access**

Remote access is the ability to access a HMI or connected device, from another device, at any time, and from anywhere. With our free HMI configuration software and supported hardware solutions, you have the freedom to access the HMI, and all its data and applications, from another device (ex. tablet, smart phone, PC) and control it as if you were standing in front of it.

Need more? Access the Industrial Internet of Things (IIoT) with our Advanced HMIs. Take data from your factory floor and share it with a server (local or a cloud service), offering greater efficiency for network use and enabling better access to and better sharing data for your entire organization.

### **Build your SCADA**

We offer all the components you need to create your own unique level of supervisory data acquisition and control, from the simplest stand-alone machine to sophisticated multi-device networked production line(s), all the way to enterprise-level operations and IIoT functionalities leveraging cloud connectivity.

Our products can help you standardize communications between devices, gluing different systems together for one source to your SCADA. No need to redesign your entire application. Keep the components that are already working for you, just add Maple Systems components to grow your abilities to supervise, control, and acquire data.

# Power and Flexibility

# **Incredible Functionality Out of the Box**

- Easily and quickly create the project with functional objects including numeric object, lamp object, combobutton, alarms, and recipes
- · Pick and place objects, pictures, and shapes
- · Import/export recipes
- · Create trend display, graphs, XY plots, and pie charts
- Add passwords and security levels
- Assign communication (PLC) drivers easily and more with our Free HMI software

Additionally our HMIs support remote access solutions with VNC, MQTT, and OPC UA. For additional features see our Advanced HMI series.



# **User Friendly HMI Configuration Software**

Because designing the layout of screens and user-interface (UI) of the HMI is typically where most of the development time is spent, we've made our Free HMI configuration software easy to use.

- Import tags feature
- Tools to diagnose and monitor PLC to HMI connection
- Debugging tools
- Pre-built libraries
- Off-line and on-line simulation

These are just a few of the ways our software makes creating your project easier. We also have controller information sheets, cable drawings, sample projects, Getting Started Guides, and videos/tutorials available in our support center 24/7.





Matsushita

# Programmable Logic Controller (PLC) Connectivity

With over 300 PLC & Controller communication protocols, these HMIs will easily integrate with your preferred PLC brands, including:

Allen-Bradley
Siemens
Omron
Emerson
GE
Panasonic
Mitsubishi
...and many more

Panel Mount HMI Feature Overview				
With few exceptions, all our Standard HMIs support (this covers all the HMI prefix models, ex: HMI5043L/LB, HMI5070L/LB):	With few exceptions, all our Advanced HMIs support (this covers all the cMT2xxx series):	With few exceptions, all our High Performance HMIs support (this covers all the cMT3xxx series HMIs):		
Alarm & Event Messages	Alarm & Event Messages	Alarm & Event Messages		
Animation - Flow Block	Animation - Flow Block	Animation - Flow Block		
ASCII Characters	ASCII Characters	ASCII Characters		
Bar Graphs	Bar Graphs	Bar Graphs		
Combo Button	Combo Button	Combo Button		
Data Logging and Sampling Date / Time	Data Logging and Sampling  Date / Time	Data Logging and Sampling Date / Time		
Dynamic Drawing	Dynamic Drawing	Dynamic Drawing		
Dynamic Scale	Dynamic Scale	Dynamic Scale		
EasyAccess 2.0	EasyAccess 2.1	EasyAccess 2.0		
EasyWatch	EasyWatch	EasyWatch		
Enhanced Security Mode	Enhanced Security Mode	Enhanced Security Mode		
Event Alarm Log	Event Alarm Log	Event Alarm Log		
File Browser	File Browser	File Browser		
Grid Display	Grid Display Languages (Up to 24)	Grid Display Languages (Up to 24)		
Languages (Up to 24 ) Libraries	Libraries	Libraries		
Macros	Macros	Macros		
Meters & Gauges	Meters & Gauges	Meters & Gauges		
Modbus	Modbus	Modbus		
Objects (Grouping, Layering, Aligning, Flip)	Objects (Grouping, Layering, Aligning, Flip)	Objects (Grouping, Layering, Aligning, Flip)		
Off-line / On-line Simulation	Off-line / On-line Simulation	Off-line / On-line Simulation		
OPC UA Client	OPC UA Client	OPC UA Client		
Operation Log	Operation Log	Operation Log		
Pass-Through Mode	Pass-Through Mode	Pass-Through Mode		
Picture Object	Picture Object	Picture Object		
Picture Viewer	Picture Viewer	Picture Viewer		
Pie Chart	Pie Chart	Pie Chart		
PLC Tag Embedded in Project	PLC Tag Embedded in Project	PLC Tag Embedded in Project Project Password		
Project Password Recipes	Project Password Recipes	Recipes		
Remote Access	Remote Access	Remote Access		
Scheduler	Scheduler	Scheduler		
Security Levels (Enhanced)	Security Levels (Enhanced)	Security Levels (Enhanced)		
System Setting Editor	System Setting Editor	System Setting Editor		
Table	Table	Table		
Text Object	Text Object	Text Object		
Timer Object	Timer Object	Timer Object		
Trend Display (Graphs)	Trend Display (Graphs)	Trend Display (Graphs)		
User-Defined Start-Up Screen	User-Defined Start-Up Screen	User-Defined Start-Up Screen		
Utility Manager VNC Server	Utility Manager VNC Server	Utility Manager VNC Server		
XY Plot	XY Plot	XY Plot		
Email (1)	Email	Email		
Macro Windows Open / Cycle / Close (1)	Macro Windows Open / Cycle / Close	Macro Windows Open / Cycle / Close		
MQTT (1)	MQTT	MQTT		
String Table (1)	String Table	String Table		
Time Synchronization (1)	Time Synchronization	Time Synchronization		
USB Tethering (1)	USB Tethering	USB Tethering		
VNC Viewer (1)	VNC Viewer	VNC Viewer		
	IP Camera	IP Camera		
	USB Camera	USB Camera		
	Animation (Objects, Word Lamp, GIFs, Moving Shape)	Animation (Objects, Word Lamp, GIFs, Moving Shape)		
	BACnet	BACnet		
	CANbus eMT Diagnosor	CANbus oMT Diagnosor		
	cMT Diagnoser cMT Viewer Support	cMT Diagnoser cMT Viewer Support		
	CODESYS (2)	CODESYS (2)		
	Media Player	Media Player		
	MQTT - Advanced JSON	MQTT - Advanced JSON		
	MQTT - AWS IoT, Sparkplug B, Azure IoT Hub, Google	MQTT - AWS IoT, Sparkplug B, Azure IoT Hub, Google		
	Cloud IoT Core	Cloud IoT Core		
	PDF Reader	PDF Reader		
		Web Streaming		
	Web Streaming	-		
	Web Streaming WebView	WebView		
	ů .	WebView Barcode Scanner (Android Camera)		
	ů .	WebView Barcode Scanner (Android Camera) Database Server		
	ů .	WebView Barcode Scanner (Android Camera) Database Server File Transfer Protocol (FTP)		
	ů .	WebView Barcode Scanner (Android Camera) Database Server		

<sup>(1)</sup> Not supported in the B Series

<sup>(2)</sup> Not supported on the cMT2166X