



### HMI5070LB | Standard HMI Series

### 7" Dark 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)







Systems	CPU	32-bit RISC Cortex-A8, 600 MHz	
System	Memory (RAM)	128 MB	
	Memory (Flash)	128 MB	
	RTC	Built-in	
I/O Ports	Carial	1 x DE9P COM1: RS-232	
	Serial	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 <sup>®</sup>	N/A	
	SD Card Slot	N/A	
	Display Type	7" TFT LCD	
	Size (W x H)	6.11 x 3.42 inches [155 x 87 mm]	
	Resolution (pixels)	800 x 480	
Display	Max. Colors	16.7 M	
Display	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, charcoal 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		

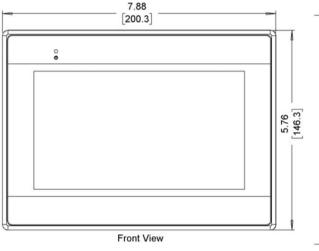


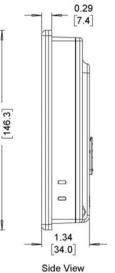


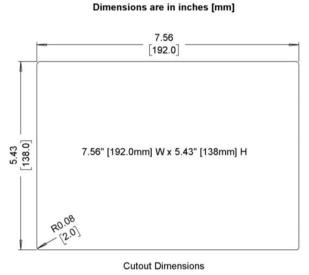


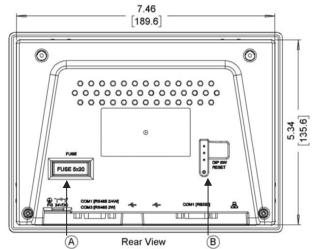


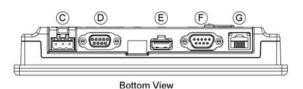
# Top View











- Α Fuse
- В **DIP Switches and Reset Button**
- С **Power Connector**
- D COM Port DE9S
- Ε 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

Cloud IoT Core PDF Reader PDF Reader Web Streaming WebView WebView Barcode Scanner (Android Camera) Database Server File Transfer Protocol (FTP) OPC UA Server PLC Web Browser	Panel Mount HMI Feature Overview				
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This table is for illustration only and subject to change. Always check the software to see if a feature is supported in your specific hardware.

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

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