

HMI5070ETH



7" Widescreen with Ethernet

- Sealed Aluminum Enclosure
- 7 inch 800 x 480 Industrial Grade LCD
- Longer Life LED Backlight
- Analog Resistive Touchscreen
- Bright 65,536 (16-bit) Colors
- 32 Bit RISC CPU, 400 MHz
- 128 MB Flash, 64 MB DRAM
- Extended Operating Temperature
- Built-in Ethernet, 3 Serial Ports
- 1 USB Host Port, SD slot
- Data logging/sampling
- Alarm and recipe management
- Animation and popup windows

Display stunning high-definition graphics on this 16:9 aluminum widescreen Graphic HMI — with a screen area which is 35% larger (with 5 times more pixels) than a comparable standard unit with a 4:3 aspect ratio.

The enhanced HMI5070ETH Touchscreen Graphic HMI is an aluminum version of the HMI5070TH, and it operates in a wider temperature range. With an industrial class LCD, the HMI5070ETH has a vibration-resistant extended-life LED backlight with a wider viewing angle.

The unit's strong aluminum housing has a smaller coefficient of expansion — meaning less deformation of the enclosure in extreme temperatures.

This coupled with better heat dissipation increases the maximum operating temperature range from -10 ° C up to +55 ° C.

The enclosure has no open venting so the unit is more resistant to dust and particulates.

The protective aluminum enclosure shields the interior from external EMS interruptions and blocks the EMI radiation emitted from the internal circuitry.

You configure your HMI5070ETH with EZware configuration software. EZware gives you the capability to design and customize your application exactly the way you want it.

And with top-notch technical support, and dedicated customer service, you can rest assured that Maple Systems will be there to support the HMI5070ETH.

**Every Machine
Needs the
Human Touch**



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HMI5070ETH Specifications

Hardware

CPU Type	32-bit RISC CPU, 400MHz
Memory	128MB Flash, 64MB DRAM
SD Card Slot	Yes
Ethernet Port	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
Audio	Line Out
USB Ports	1 Host, 1 Client port
RTC	Built-in

Display

Type	7.0" TFT color
Size (WxH)	6.1 x 3.4 inches [154 x 87 mm] 7" diagonal
Resolution (pixels)	800 x 480
Brightness (cd/m ²)	350
Contrast Ratio	700:1
Max Colors	65,536 (16 bit)
Viewing Angle (°)	50/60/65/65 (T,B,R,L)
Backlight	LED
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	14 ~ 131°F [-10 ~ 55°C]
Storage Temperature	-4 ~ 158°F [-20 ~ 70°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

Specifications subject to change without notice.

Mechanical

Enclosure	Aluminum Housing
Dimensions (WxHxD)	7.88 x 5.76 x 1.67 inches [200 x 146 x 42 mm]
Panel Cutout Dim. (WxH)	7.55 x 5.43 inches [192 x 138 mm]
Weight	.9 kg
Mounting	Panel / VESA 75 compatible
Power Requirement	24VDC 250mA
Warranty	2 years

Order Number

HMI5070ETH	7.0" Enhanced Aluminum Graphic HMI
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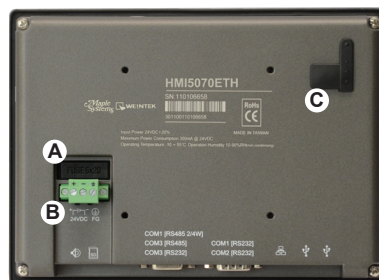


808 134th St SW, Suite 120
Everett, WA 98204
425.745.3229 • 425.745.3429 (fax)
maple@maplesystems.com
www.maplesystems.com

HMI5070ETH



Front View



Rear View



Bottom View

- A Fuse
- B Power Connector
- C Dip Switch
- D SD Card Slot
- E Com1 RS485, Com3 RS485, Com3 RS232
- F Com 1 RS232, Com2 RS232
- G Ethernet Port 10/100
- H USB Host
- I USB 2.0 Client
- J Audio