HMI5070NL

CE   RoHS Compliant   NEMA4X

7" Slimline Industrial HMI

- **16 million color TFT LCD display**
- **800 x 480 resolution**
- **Analog resistive touchscreen**
- **32-bit RISC CPU, 600MHz**
- **128MB Flash memory, 128MB RAM**
- **Moisture-resistant PCB coating**
- **1 Ethernet port**
- **3 serial ports**
- **1 USB host port**

Ultra-slim form factor, sleek aesthetic, and an affordable price make the HMI5070NL the perfect high-quality, value-priced HMI.

The Maple Systems HMI5070NL is a slim-form operator interface with a bright 800 x 480 pixel touchscreen display, a high speed 600MHz microprocessor and 128MB of memory for complex and graphic intensive projects.

The ultra-thin form factor of the HMI5070NL makes mounting in tight spots easy. The fanless design requires no extra space for cooling. The HMI5070NL is also NEMA4X/IP65 rated, allowing for peak performance in adverse conditions.

With our EZwarePlus software package, configure the HMI5070NL to your exact specifications. Extensive software features include alarm management, batch recipes,

BACnet® for building automation and control networks and much more - making your operator interface an integral part of your automation control system.

Maple Systems stands behind all Graphic HMIs with complimentary technical support, an online support center, and numerous online instructional videos.

Every Machine Needs the Human Touch

Maple Systems INC.

www.maplesystems.com

Hardware

CPU Type	32-bit RISC CPU, 600MHz
Memory	128MB Flash, 128MB RAM
Ethernet Port	10/100 Base-T (RJ45)
Serial Ports	Com1: RS-232 Com2: RS-485, 2 or 4 wire Com3: RS-485, 2 wire
USB Ports	1 host 2.0 port
RTC	Built-in

Display

Type	7" TFT color
Size (WxH)	6.10 x 3.40 inches [155 x 86mm] 7" diagonal
Resolution (pixels)	800 x 480
Brightness (cd/m^2)	400
Contrast Ratio	500:1
Max Colors	16 million
Viewing Angle (°)	60/70/70/70 (T,B,R,L)
Backlight	LED
Backlight Longevity	>30,000 hrs.

Specifications subject to change without notice.

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, NEMA 4X compliant front panel
Certifications	CE, RoHS

Mechanical / Electrical

Enclosure	Plastic
Dimensions (WxHxD)	7.89 x 5.76 x 1.34 inches [200 x 146 x 34mm]
Panel Cutout Dim. (WxH)	7.56 x 5.43 inches [192 x 138mm]
Weight	1.31 lbs [.6kg]
Mounting	Panel mount
Power Requirements	24VDC, 350mA maximum
Isolation Resistance	Exceed 50MΩ at 500VDC