Graphic HMI

HMI5043LB

4.3" Slimline Industrial HMI

- **16 million color TFT LCD display**
- **Analog resistive touchscreen**
- **480 x 272 resolution**
- **Charcoal grey enclosure**
- **32 Bit RISC CPU, 600MHz**
- **128MB flash memory, 128MB RAM**
- **Moisture-resistant PCB coating**
- **Built-in Ethernet**
- **2 serial ports**
- **1 USB host port**
- **Two year warranty**

Ultra-slim form factor, sleek aesthetic and affordable price point make the HMI5043LB the perfect choice for a high-quality, value-priced HMI.

The Maple Systems HMI5043LB is a slim-form operator interface with a bright 480 x 272 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 HMI5043LB makes mounting in tight spots easy and the fanless design requires no extra space for cooling. This unit is also NEMA4X/IP65 rated, allowing for peak performance in adverse conditions.

Utilizing our EZwarePlus software package, configure the HMI5043LB to your exact specifications. The extensive features of the software include alarm management, batch recipes, BACnet® for building automation and control networks and much more - all making your operator interface a more integral part of your automation control system.

Maple Systems stands behind your HMI product with a two-year warranty, complementary technical support, an online support center, and numerous online instructional videos.

Every Machine Needs the Human Touch

Maple Systems INC.

www.maplesystems.com

HMI5043LB Specifications

Hardware

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

Display

Type	4.3" TFT color
Size (WxH)	3.74 x 2.12 inches [95.0 x 53.9mm] 4.3" diagonal
Resolution (pixels)	480 x 272
Brightness (cd/m²)	500
Contrast Ratio	500:1
Max Colors	16 million
Viewing Angle (°)	50/70/70/70 (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

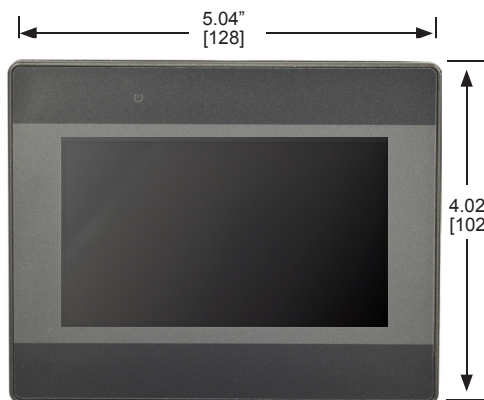|	
Operating Temperature	32 ~ 122°F (0 ~ 50°C)
Storage Temperature	-4° ~ 140°F (-20 ~ 60°C)
Relative Humidity	10% ~ 90% (non-condensing)
Shock (operation)	10 to 25Hz (X,Y,Z direction, 2G, 30 minutes)
Ratings	IP65, NEMA 4X compliant front panel
Certifications	cULus, CE, RoHS

Mechanical / Electrical

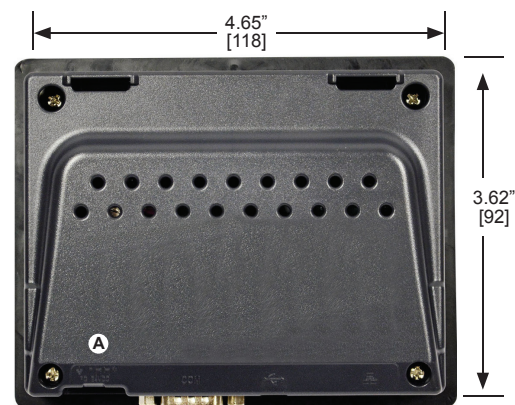|	
Enclosure	Plastic - charcoal grey
Dimensions (WxHxD)	5.04 x 4.02 x 1.26 inches [128 x 102 x 32mm]
Panel Cutout Dim. (WxH)	4.69 x 3.66 inches [119 x 93mm]
Weight	0.55 lb [0.25kg]
Mounting	Panel mount
Power Requirements	24VDC, 300mA maximum
Isolation Resistance	Exceed 50MΩ at 500VDC

Order Number

HMI5043LB	4.3" Slim Graphic HMI

Dimensions

5.04"
[128]

4.02"
[102]

Front View

4.65"
[118]

3.62"
[92]

Rear View

1.26"
[32]

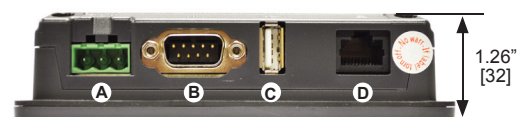*Bottom View*

A Power Connector
B Com1, Com3 RS485
C USB Host port
D Ethernet Port 10/100

Dimensions in inches [mm]