

**10.4 inch Graphic HMI**

- Bright 65,536 (16-Bit) color TFT
- 32 Bit CISC CPU, 400MHz
- 128 MB Flash storage
- 64 MB data memory
- Built-in Ethernet
- 3 Serial Ports
- 1 USB Host Port, 1 USB Client Port
- Support for Allen-Bradley EtherNet/IP and Modbus TCP/IP
- Up to four protocols simultaneously



The Maple Systems HMI5104TH is a rugged graphic operator interface with a 10.4" 800 x 600 pixel resolution touchscreen TFT display — the same as a 12 inch, but in a 10 inch package. The nominal 2.0" depth makes mounting in tight spots easy.

The HMI5104TH has a 400 MHz microprocessor and large memory area that are necessary for complex and graphics-intensive projects. The extensive software features allow alarm management, batch recipes, and data logging; making your operator interface a more integral part of your automation control system.

You can easily give your system a professional look with this vivid display, extensive graphic libraries, and the ability to import custom BMPs, JPGs, or animated GIFs.



The HMI5104TH communicates simultaneously with multiple controllers. It is the perfect operator interface solution for your industrial environment in process control, packaging, water treatment, building automation, assembly line controls and many other applications.

The HMI5104TH is reliable, affordable, loaded with features, and easy to use. It is another smart solution from the operator interface experts.

**Every Machine  
Needs the  
Human Touch**



[www.maplesystems.com](http://www.maplesystems.com)

# HMI5104TH Specifications

## Hardware

CPU Type	32-Bit RISC 400MHz CPU
Memory	128MB Flash, 64MB SDRAM
SD Card Slot	Yes
Ethernet Ports	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	10.4" TFT color
Size (WxH)	8.4 x 6.3 inches [213 x 160 mm] 10.4" diagonal
Resolution (pixels)	800 x 600
Brightness (cd/m <sup>2</sup> )	300
Contrast Ratio	500:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	55/65/65/65 (T,B,R,L)
Backlight	LED
Backlight Longevity	30,000 hrs

## Touchscreen

Type	4-wire analog resistive
Resolution	Continuous
Light Transmission	Above 80%
Lifespan	1 million activations minimum

Specifications subject to change without notice.

## 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, NEMA4, NEMA4X (indoor only)
Certifications	CE, FCC Class A

## Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	11.27 x 8.38 x 1.97 inches [286 x 213 x 50 mm]
Panel Cutout Dim. (WxH)	10.20 x 7.91 inches [259 x 201 mm]
Weight	3.4 lbs [1.6 kg]
Mounting	Panel mount or VESA 75 compatible
Power Requirements	24VDC, 400 mA

## Order Number

HMI5104TH	10.4" TFT Graphic OIT
-----------	-----------------------

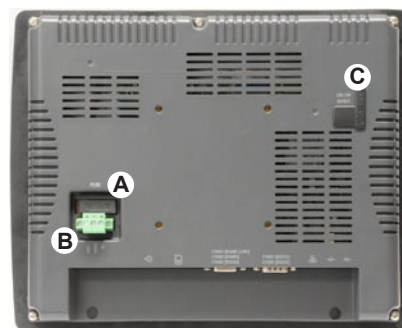


808 134th St SW, Suite 120  
Everett, WA 98204  
425.745.3229 • 425.745.3429 (fax)  
maple@maple-systems.com  
www.maplesystems.com

## HMI5104TH Dimensions



Front View



Rear View



Bottom View

- |                   |                 |                        |                  |
|-------------------|-----------------|------------------------|------------------|
| A Fuse            | D Line Out      | G Com Port DB9P        | J USB 2.0 Client |
| B Power Connector | E SD Card Slot  | H Ethernet Port 10/100 |                  |
| C Dust Cover      | F Com Port DB9S | I USB Host             |                  |

Dimensions in inches [mm]