

Graphic HMI

HMI5100N



10.0" inch Graphic HMI

- 800 x 480 pixel TFT Display
- Analog resistive touchscreen
- 35 percent larger screen area
- Bright 65,536 (16-Bit) Colors
- 32 Bit RISC CPU, 400 MHz
- 128 MB Flash, 64 MB DRAM
- 3 serial ports
- 1 SD card slot
- 2 USB host ports, SD card slot

Display stunning high-definition graphics on a widescreen Graphic HMI that is 35% larger than a comparable non-widescreen unit.

The HMI5100N Graphic HMI elevates your application to the next level of performance. This 10.0" touchscreen HMI will handle high-resolution panoramic visuals with its widescreen display, 400 MHz processor, 128 MB of Flash Memory and 64 MB of DRAM.

The HMI5100N supports over 80 protocols including Allen-Bradley and Modbus TCP. With multiple ports, it will handle three different protocols simultaneously.

Other benefits include True Type

fonts, international characters, and multi-language feature.



The shallow depth design makes mounting in tight spots easy. The outer dimensions and panel cut-out of the unit are comparable to a standard 10" unit, but the screen area is much larger and therefore

has more room for functional graphics.

With EZware you can literally design and customize your application exactly the way you want it, while taking advantage of the many features packed into the HMI5100N.

Every Machine
Needs the
Human Touch



www.maplesystems.com

HMI5100N Specifications

Hardware

CPU Type	32-bit RISC CPU, 400MHz
Memory	128MB Flash, 64MB DRAM
SD Card Slot	Yes
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire Com2: RS-232 Com3: RS-232/RS-485, 2 wire
USB Ports	2 Host 2.0 ports, 1 Client 2.0 port
RTC	Built-in

Display

Type	10.0" TFT color
Size (WxH)	8.75 x 5.25 inches [222 x 133 mm] 10" diagonal
Resolution (pixels)	800 x 480
Brightness (cd/m ²)	300
Contrast Ratio	500:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	45/65/65/65 (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	IP66, NEMA4, NEMA4X (indoor only)
Certifications	CE, EMI FCC Class

Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	10.67 x 8.38 x 1.96 inches [271 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 / VESA compatible
Power Requirements	24VDC, 300mA

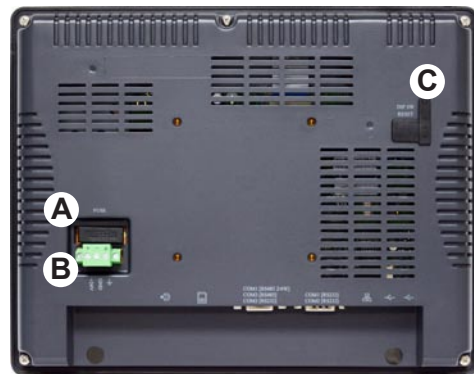
Order Number

HMI5100N	10.0" TFT Graphic HMI
----------	-----------------------

HMI5100N



Front View



Rear View



Bottom View

- | | |
|-------------------|-----------------|
| A Fuse | E Com Port DB9S |
| B Power Connector | F Com Port DB9P |
| C Dust Cover | G USB Host |
| D SD Card Slot | H USB Client |

Maple Systems, Inc.

808 134th St SW, Suite 120, Everett, WA 98204

425.745.3229 • 425.745.3429 (fax) • Email: maple@maplesystems.com • www.maplesystems.com