

OMI5100A-CE



10.0" Widescreen Open HMI



- Bright 65,536 color TFT display
- 35 Percent Larger Screen Area
- 800 x 480 pixel resolution
- Analog resistive touchscreen
- 32 Bit RISC CPU, 400 MHz
- 128 MB Flash, 64 MB DRAM
- SD Card Slot
- Built-in Ethernet port (10/100 Base-T)
- 3 Serial ports, 1 USB Host Port
- Audio Out
- NEMA4, CE, cULus listed
- Microsoft® Windows® CE.NET™
- Two year warranty

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

The OMI5100A-CE is an open machine interface with a high resolution 10" touchscreen TFT display, running on Windows CE. The nominal 2" depth with port access along the bottom makes mounting in tight spots easy.

Maple's Open HMIs are the perfect solution for OEMs who need a low-cost fanless Open-platform Graphic HMI to run custom applications.

These touchscreen displays offer a host of hardware features not typically available in this price range. The OMI5100A-CE has a 400 MHz processor and 64 MB of DRAM

memory to ensure quick response time. Applications can be stored on the 128 MB internal flash memory.



The Windows® CE operating system is included on this model. You can create your own custom application or use off-the-shelf programs such as Maple Systems WebStudio operator interface software. The built-in web browser and

Internet support allow you to easily display web pages.

For applications that require a unique yet inexpensive operator interface that will place your system above the competition, consider Maple's Open HMI.

**Every Machine
Needs the
Human Touch**



www.maplesystems.com

OMI5100A-CE Specifications

Hardware

CPU Type	32-bit RISC 400 MHz processor
Memory	128 MB Flash (~30 MB required for Windows OS) 64 MB DRAM
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
USB Interface	USB Host port, Client Port
Removable Storage	SD card slot
Audio	Yes
RTC	Built-in

Display

Type	10.0" TFT color
Size (WxH)	8.4 x 6.3 inches [213 x 160 mm] 10" diagonal
Resolution (pixels)	800 x 480
Brightness (cd/m ²)	300
Contrast Ratio	300:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	55/65/65/65 (T,B,R,L)
Backlight Longevity	50,000 hrs (LED)

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 ~ 113°F (0 ~ 45°C)
Storage Temperature	-13 ~ 158°F (-25 ~ 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, cULus listed

Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	10.67 x 8.38 x 1.96 inches [286.2 x 212.8 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, 300mA maximum
Warranty	2 years

Software

Operating System	Microsoft® Windows® CE.NET™
HMI/SCADA Application	WebStudio (optional)

Order Number

OMI5100A-CE	10.0" TFT Open HMI
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OMI5100A-CE Dimensions

