

## OMI5070B-CE



Maple Systems OMI5070B-CE Open HMI features a beautiful 7" touchscreen display. With robust processing power, this HMI system will perform very well for the most demanding projects.

### 7" High Performance Open HMI

- Aluminum enclosure
- 16.7 Million color TFT display
- Analog Resistive Touchscreen
- 800 x 480 resolution
- 32 Bit RISC CPU, 600MHz
- Fanless cooling system
- 256MB Flash Memory, 256MB RAM
- Built-in Ethernet
- 2 Serial ports and 1 USB Host
- Microsoft Windows® Embedded CE 6.0
- Isolated power supply
- Two year warranty

The OMI5070B-CE is an open machine interface with a high resolution 7.0" touchscreen TFT display, running on Windows® CE. The nominal 1.68" depth with port access along the bottom makes mounting in tight spots easy.

These touchscreen displays offer a host of hardware features not typically available in this price range. Having a 600MHz processor and 256MB of DRAM ensures quick response times.

The Windows® CE 6.0 Professional operating system includes the following:

- Internet Explorer web browser
- Windows Media Player
- Word viewer
- PDF viewer
- Support for VBScript, MessageBox and RDP

Applications can be stored on the 256MB of built-in flash memory.



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

Create your own custom application or use off-the-shelf programs such as WebStudio™ SCADA software.

For applications that require a powerful yet inexpensive open HMI that will place your system well above the competition, go with Maple Systems.

**Every Machine  
Needs the  
Human Touch**



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# OMI5070B-CE Specifications

## Hardware

CPU Type	32-Bit RISC CPU, 600MHz
Memory	256MB Flash, 256MB DRAM
SD Card Slot	SD/SDHC
Ethernet Ports	10/100 Base-T (RJ45)
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire Com3: RS-232/RS-485, 2 wire
USB Ports	1 Host, 1 Client - USB 2.0
Audio	1x Audio Line Out, 3.5mm jack
RTC	Built-In

## Display

Type	7" TFT LCD
Size (WxH)	6.1 x 3.4 inches [154 x 87mm] 7.0" diagonal
Resolution (pixels)	800 x 480
Brightness (cd/m <sup>2</sup> )	500
Contrast Ratio	500:1
Max Colors	16.7 Million
Viewing Angle (°)	50/60/65/65 (T,B,R,L)
Backlight	LED
Backlight Longevity	30,000 hr.

## Electrical

Power Requirements	24VDC, 400mA nominal
Power Isolation	Built-In
Voltage Resistance	500VAC (1 min)
Isolation Resistance	Exceed 50M Ω at 500VDC

Specifications subject to change without notice.

## Touchscreen

Type	4-wire analog resistive
Accuracy	Active area Length (X) ±2%, Width (Y) ±2%
Light Transmission	Above 80%
Lifespan	1 million activations minimum

## Environmental

Operating Temperature	-4° ~ 122°F (-20° ~ 50°C)
Storage Temperature	-4° ~ 158°F (-20° ~ 70°C)
Relative Humidity	10% ~ 90% (non-condensing)
Shock (operation)	10 to 25Hz (X,Y,Z direction, 2G, 30 minutes)
Ratings	NEMA 4, IP66 compliant front panel
Certifications	CE, FCC Class A, cULus, RoHS

## Mechanical

Enclosure	Aluminum
Dimensions (WxHxD)	7.89 x 5.76 x 1.68 inches [200 x 146 x 42.5mm]
Panel Cutout Dim. (WxH)	7.56 x 5.43 inches [192 x 138mm]
Weight	1.98 lbs [0.9 kg]
Mounting	Panel mount
Warranty	2 years

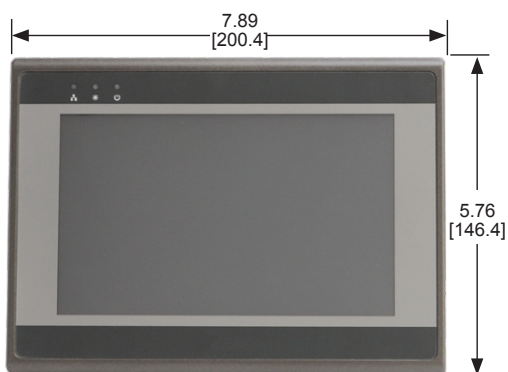
## Software

Operating System	Microsoft Windows® CE 6.0 Professional
HMI/SCADA Application	InduSoft® WebStudio™ (optional)

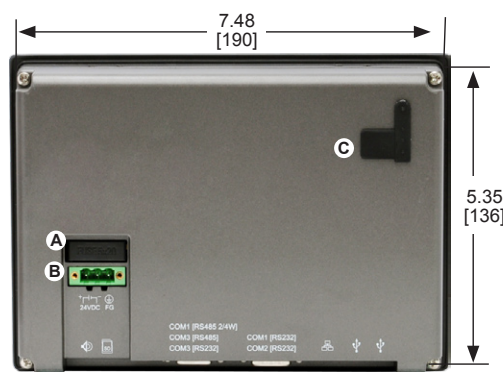
## Order Number

OMI5070B-CE	7" Aluminum Open HMI
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## Dimensions



Front View



Rear View

- A Fuse
- B Power Connector
- C DIP Switch & Reset Button
- D Line Out
- E SD Card Slot
- F Com1, Com3 RS485
- G Com1, Com3 RS232
- H Ethernet Port 10/100
- I USB Host port
- J USB Client port

Dimensions in inches [mm]



Bottom View

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