

Open HMI

Ivory Series

HMI612X-CE



**12.1" 65K Color TFT LCD Touchscreen
with advanced features**

- Bright 65,536 (16-Bit) color TFT display
- 800 x 600 pixel resolution
- Analog resistive touchscreen
- 32-Bit CISC 500MHz CPU
- 256 MB DOM memory
- 256 MB DRAM
- Two USB Host ports, One USB Client port
- Three serial ports
- Ethernet port (10/100 Base-T)
- SD card
- Audio out
- NEMA4, CE, & cULus listed
- Microsoft® Windows® CE.NET™
- WebStudio software (optional)
- Two year warranty

The Ivory Series HMI612X-CE is a rugged graphic operator interface with a high resolution 12.1" diagonal touchscreen TFT display. The nominal 2.0" depth with port access along the bottom makes mounting in tight spots easy.

The Ivory Series are the perfect solution for OEMs who need a low-cost fanless Panel PC to run custom applications.

These touchscreen displays offer a host of hardware features not typically available in this price range. The HMI612X model has a 500 MHz processor and 256 MB of DRAM

memory to ensure quick response time. Applications can be stored on the 256 MB internal DOM memory. Add versatility by connecting an external keyboard, mouse, printer, barcode reader, or external speakers for audio output.



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 the Ivory Series Open HMIs.

**Every Machine
Needs the
Human Touch**



www.maplesystems.com

HMI612X-CE Specifications

Hardware

CPU Type	32-bit CISC 500MHz CPU
Memory	256 MB DOM (~30 MB required for Windows OS) 256 MB DRAM
SD Card Slot	Support SDHC/SD
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	2 USB 2.0 Host ports, 1 USB Client port
Audio	Line out / Mic in
RTC	Built-in: Battery Backup

Display

Type	12.1" TFT color
Size (WxH)	9.75 x 7.25 inches [248 x 184 mm] 12.1" diagonal
Resolution (pixels)	800 x 600
Brightness (cd/m ²)	400
Contrast Ratio	500:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	50/60/70/70 (T,B,R,L)
Backlight	CCFLx2
Backlight Longevity	50,000 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 ~ 113°F (0 ~ 45°C)
Storage Temperature	-13 ~ 140°F (-25 ~ 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, cULus listed

Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	12.69 x 9.57 x 1.99 inches [322 x 243 x 51 mm]
Panel Cutout Dim. (WxH)	12.01 x 9.09 inches [305 x 231 mm]
Weight	4.6 lbs [2.1 kg]
Mounting	Panel mount or VESA 75 compatible
Power Requirements	24VDC, 1.25A maximum
Warranty	2 years

Software

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

Order Number

HMI612X-CE	12.1" TFT Panel PC
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HMI612X-CE Dimensions

