

HMI5070TH



7" Widescreen Graphic HMI with Ethernet

- Bright 800 x 480 Pixel High Def. TFT
- Analog Resistive Touchscreen
- 35 Percent Wider Screen Area
- Bright 65,536 (16-bit) Colors
- 32 Bit RISC CPU, 400 MHz
- 128 MB Flash, 64 MB DRAM
- Built-in Ethernet, 3 Serial Ports
- 1 USB Host Port, SD slot
- Data logging/sampling
- Alarm and recipe management
- Animation and popup windows



Display stunning high-definition graphics on a 16:9 widescreen Graphic HMI that is 35% larger with 5 times more pixel area than a comparable standard 5.7" model with a 4:3 screen aspect ratio— all at a very attractive price.

The HMI5070TH Touchscreen Graphic HMI elevates your application to the next level of performance. This 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.

This human machine interface supports over a hundred protocols including Allen-Bradley EtherNet/IP and Modbus TCP/IP. With multiple ports, it will even handle four different protocols simultaneously.

Other benefits include True Type fonts, International characters, and even a multi-language feature.

The 2" depth and fanless design make mounting in tight spots easy. The outer dimensions and panel cut-out of the unit are comparable to a standard 5.7" unit, but the screen area is 35 percent larger and the pixel area is five times more dense.

And with EZware configuration software, you can literally design and customize

your 7" Widescreen application exactly the way you want it. And top-notch technical support, dedicated customer service, and 2 year warranty make this product a true winner.

**Every Machine
Needs the
Human Touch**



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HMI5070TH Specifications

Hardware

| | |
|---------------|---|
| CPU Type | 32-bit RISC CPU, 400MHz |
| Memory | 128MB Flash, 64MB DRAM |
| SD Card Slot | Yes |
| Ethernet Port | 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 | 7.0" TFT color |
| Size (WxH) | 6.1 x 3.4 inches [154 x 87 mm] 7" diagonal |
| Resolution (pixels) | 800 x 480 |
| Brightness (cd/m ²) | 375 |
| 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

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

Environmental

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|-----------------------|---|
| Operating Temperature | 32 ~ 122°F [0 ~ 50°C] |
| Storage Temperature | -4 ~ 140°F [-20 to 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 |

Specifications subject to change without notice.

Functionality

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|----------------------------|--|
| Networking | Modbus TCP/IP, AB EtherNet/IP, remote monitoring |
| Multiple Port Connectivity | Up to four protocols simultaneously |
| Data Transfer | Share data between HMIs and PLCs |
| Data Logging/Sampling | 48MB internal memory – expandable, time/trigger-based |
| Hardware Options | Mouse, external keyboard, memory storage, barcode |
| Windows Fonts | Unicode support, international characters |
| Multiple Languages | Up to 8 languages per object |
| Security | 6 levels, 3 passwords per level, interlock safety feature, visibility protection |
| Macros | Math functions, 32-bit float support |
| Recipe Management | Up to 32,767 records, Index Feature |
| Alarm Management | Four priority levels, organize by category, real-time or history |
| Trending | Up to 20 channels, real-time or history, time/date capture, watch line feature |
| Ease of Use | Popup windows, offline/online simulation |

Mechanical

| | |
|-------------------------|---|
| Enclosure | Plastic molding |
| Dimensions (WxHxD) | 7.88 x 5.76 x 1.67 inches [200 x 146 x 42 mm] |
| Panel Cutout Dim. (WxH) | 7.55 x 5.43 inches [192 x 138 mm] |
| Weight | 1.8 lb [.85 kg] |
| Mounting | Panel / VESA 75 compatible |
| Power Requirement | 24VDC 250mA |
| Warranty | 2 years |

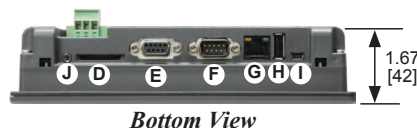
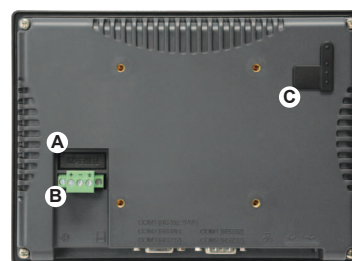
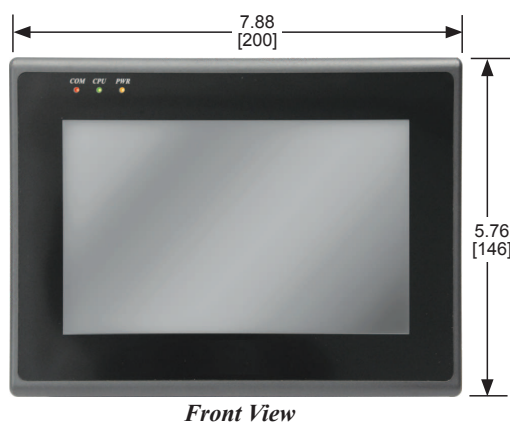
Order Number

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| HMI5070TH | 7.0" TFT Graphic OIT |
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HMI5070TH Dimensions



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

Dimensions in inches [mm]