

HMI5070NH



7" Widescreen Graphic HMI

- 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
- 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 HMI5070NH 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 and Modbus TCP. With multiple ports, it will even handle 3 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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HMI5070NH Specifications

Hardware

CPU Type	32-bit RISC CPU, 400MHz
Memory	128MB Flash, 64MB DRAM
SD Card Slot	No
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire Com2: RS-232 Com3: RS-232/RS-485, 2 wire
USB Ports	1 Host, 1 Client
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

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

Environmental

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

Specifications subject to change without notice.

Functionality

Multiple Port Connectivity	Up to three 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

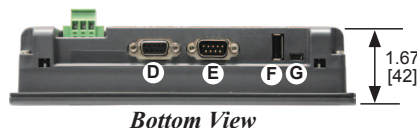
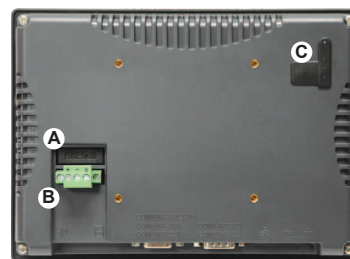
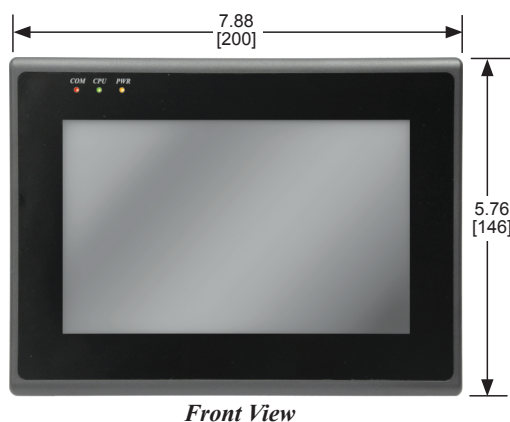
Order Number

HMI5070NH	7.0" TFT Graphic OIT
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HMI5070NH Dimensions



- A Fuse
- B Power Connector
- C Dust Cover
- D Com Port DB9S
- E Com Port DB9P
- F USB Host
- G USB 2.0 Client

Dimensions in inches [mm]