

Graphic OIT

HMI5070NH



Silver Series

7" High-Definition Widescreen Graphic OIT

- Bright 800 x 480 Pixel High Def. TFT
- 35 Percent Wider Screen Area
- Bright 65,536 (16-bit) Colors
- 400 MHz CPU, 128 MB Flash, 64 MB DRAM
- Three Serial, USB, SD slot
- Up to four protocols simultaneously
- TrueType fonts and international characters
- Data logging/sampling,
- Online/offline simulation
- Multi-language feature
- Alarm and recipe management
- Animation and popup windows
- Support for Allen-Bradley and Modbus and most others.
- 2 year warranty



Display stunning high-definition graphics on a widescreen Graphic OIT that is 35% larger with 5 times more pixel area than a comparable standard 5.7" model — all at an unbeatable price.

Captivating panoramic visuals can be an effective improvement in the communications aspects of your HMI, but you need the hardware that can handle the task.

The Silver Series HMI5070NH 7" Widescreen Graphic OIT answers that call with its high resolution 800 x 480 pixel High-Brightness (450 cd/m²) TFT Touchscreen Display.

Toss in the fact that this innovative widescreen has a 400 MHz processor and is

loaded with 128 MB of Flash Memory and 64 MB of DRAM, and you have a winning package and the best value in the marketplace.

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 you can literally design

and customize your 7" Widescreen application exactly the way you want it, while taking advantage of the many features packed into the HMI5070NH.

**Every Machine
Needs the
Human Touch**



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HMI5070NH Specifications

Hardware

CPU Type	400MHz 32-bit RISC Fanless
Memory	128MB Flash, 64MB DRAM
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire Com2: RS-232 Com3: RS-232/RS-485, 2 wire
USB Interface	1.1 Host port, 2.0 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)	450
Contrast Ratio	500:1
Max Colors	65536 (16 bit)
Viewing Angle (°)	40/60/60/60 (T,B,R,L)
Backlight Longevity	30,000 hrs (LED)

Touchscreen

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

Environmental

Operating Temperature	14 ~ 113°F [-10 ~ 45°C]
Storage Temperature	-13 ~ 158°F [-25 to 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, EMI FCC Class A, cULus pending

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	Up to 1000 records, 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 8 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]
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

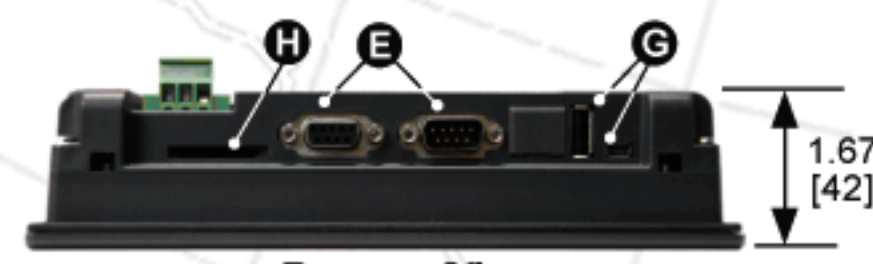
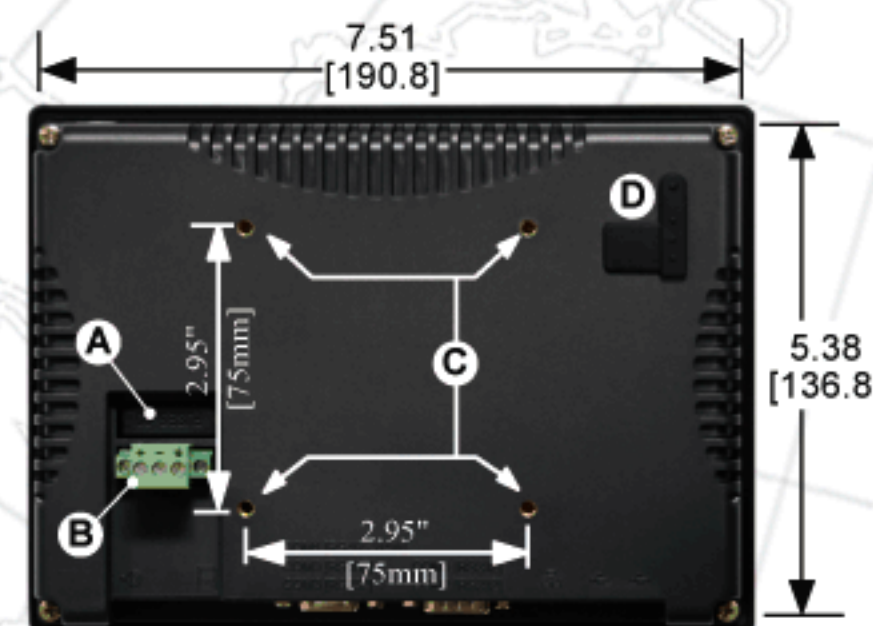
Order Number

HMI5070NH	7.0" TFT Graphic OIT
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HMI5070NH Dimensions



- A Fuse
- B Power connector
- C VESA 75mm screw holes
- D DIP SW and reset button
- E 2 x COM ports
- G USB 1.1 Host, 2.0 Client
- H SD Card Slot

Dimensions in inches [mm]