

HMI5043N



4.3" Widescreen Graphic HMI



- 480 x 272 pixel resolution
- 32 Bit RISC CPU, 400 MHZ
- 128 MB Flash Memory
- 64MB DRAM
- 2 Serial Ports
- Compact Size
- Popup windows and animation
- Multi-language feature
- Alarm management

The HMI5043N is our smallest widescreen Graphic HMI.

The bright 4.3" TFT display supports up to 65K colors and has a higher resolution (480 x 272 pixels) than most 6" screens. This model is designed for applications that require a rugged compact operator interface with low power. The HMI5043N operates on 24 VDC and has a power saving mode that reduces current to the display to save energy. This industrial terminal requires only 1.5" of depth when mounted to a panel.

Additionally, the HMI5043N can communicate to a wide variety of PLCs and motion

controllers, from over 30 major manufacturers. The OIT is very easy to configure using our EZware software with pick-and-place objects including bar graphs, meters, text objects, numeric entry, trend graphs, and alarms. The built-in simulation feature means you can easily test and modify your project before downloading to the HMI5043N.



Perhaps the best feature of the HMI5043N is the low cost. You now have the option of using an intuitive color graphics touchscreen

in applications that formerly required a text-based display due to budget constraints.

The HMI5043N is reliable, affordable, loaded with features, and easy to use. It is another smart solution from the operator interface experts.

**Every Machine Needs
the Human Touch**



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HMI5043N Specifications

Hardware

CPU Type	32-bit RISC CPU, 400MHz
Memory	128MB Flash, 64MB DRAM
Serial Ports	Com1: RS-232, RS-485 (2W/4W) Com3: RS-485 (2W)
USB	1 Client Port for Project Download
RTC	None

Display

Type	4.3" TFT color
Size (WxH)	3.74 x 2.12 inches [95.0 x 53.9 mm] 4.3" diagonal
Resolution (pixels)	480 x 272
Brightness (cd/m ²)	500
Contrast Ratio	600:1
Max Colors	65,536
Backlight	LED
Viewing Angle (°)	50/70/70/70 (T,B,R,L)
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 ~ 60°C)
Relative Humidity	10-90% rH@40°C non-condensing
Shock (operation)	10 to 25Hz (X,Y,Z direction 2G, 30 min)
Ratings	IP65, NEMA4, NEMA4X (indoor only)
Certifications	CE, FCC Class A, cULus listed

Specifications may change without notice.

Functionality

Data Transfer	Share data between HMIs and PLCs
Data Logging/Sampling	48MB internal memory – expandable, time/trigger-based
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, watch line feature
Ease of Use	Popup windows, offline/online simulation

Mechanical

Enclosure	Plastic molding
Dimensions (WxHxD)	5.04 x 4.02 x 1.50 inches [128 x 102 x 38 mm]
Panel Cutout Dimensions (WxH)	4.69 x 3.66 inches [119 x 93 mm]
Weight	0.7 lbs [0.3 kg]
Mounting	Panel
Power Requirements	24VDC, 250mA maximum
Warranty	2 years

Order Number

HMI5043N	4.3" TFT Graphic OIT
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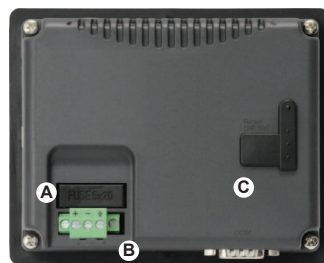


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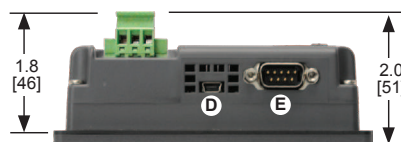
HMI5043N Dimensions



Front View



Rear View



Bottom View

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

Dimensions in inches [mm]