

HMI5056N



5.6" Graphic HMI



- Bright 65,536 (16-bit) Colors
- 320 x 234 Pixel TFT display
- Analog Resistive Touchscreen
- 32 Bit RISC CPU, 400 MHz
- 128 MB Flash
- 64 MB DRAM
- 1 Serial Port
- TrueType fonts and international characters
- Multi-language feature
- Alarm and recipe management
- Animation and popup windows

The Maple Systems HMI5056N is a rugged graphic operator interface with a high resolution 5.6" diagonal touchscreen TFT display. The nominal 2" depth with port access along the bottom of the HMI makes mounting in tight spots easy. The fanless design means no extra space for cooling is required.

You can easily give your system a professional look with this vivid display, extensive graphics libraries,

and the ability to import custom BMPs, JPGs, or animated GIFs. It is the perfect operator interface solution for your industrial



applications whether process control, packaging, water treatment, building automation, assembly line controls and many others.

The HMI5056N 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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HMI5056N Specifications

Hardware	
CPU Type	32-bit RISC CPU, 400MHz
Memory	128MB Flash, 64MB DRAM
Serial Ports	Com1: RS-232/RS-485, 2 or 4 wire
USB Interface	Client only
RTC	Built-in

Display	
Type	5.6" TFT color
Size (WxH)	4.5 x 3.5 inches [114 x 89 mm] 5.6" diagonal
Resolution (pixels)	320 x 234
Brightness (cd/m ²)	300
Contrast ratio	300:1
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	14 ~ 113°F (-10 ~ 45°C)
Storage Temperature	-13 ~ 158°F (-25 ~ 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, FCC Class A, cULus listed

Specifications subject to change without notice.

Functionality	
Data Transfer	Share data between HMIs and PLCs
Data Logging/Sampling	Up to 1000 records 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 Extensive Graphics Libraries

Mechanical	
Enclosure	Plastic molding
Dimensions (WxHxD)	8.03 x 5.91 x 1.94 inches [204 x 150 x 49 mm]
Panel Cutout Dim. (WxH)	7.56 x 5.43 inches [192 x 138 mm]
Weight	1.9 lbs [0.86 kg]
Mounting	Panel/VESA 75
Power Requirements	24VDC ± 20% 250mA
Warranty	2 years

Order Number	
HMI5056N	5.6" TFT Graphic OIT



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