

# Silver Plus

## HMI5056T

**5.6" 65K Color TFT LCD Touchscreen  
with advanced features**



- Bright 65,536 (16-Bit) color TFT display
- Built-in Ethernet, serial, USB, and CompactFlash ports
- Support for Allen-Bradley EtherNet/IP and Modbus TCP/IP
- Up to four protocols simultaneously
- TrueType fonts and international characters
- Data logging/Data sampling
- Online/offline simulation
- Multi-language feature
- Alarm and recipe management
- Animation and popup windows
- Most popular PLCs supported
- 2 year warranty

The Silver Series Plus HMI5056T 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 OIT 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. The HMI5056T can communicate simultaneously with multiple controllers. 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 HMI5056T 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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# HMI5056T Specifications

## Hardware

|               |   |
|---------------|---|
| CPU Type      | 200MHz 32-bit RISC Fanless  |
| Memory        | 32MB Flash, 64MB DRAM   |
| Ethernet Port | 10/100 Base-T (RJ45)  |
| Serial Ports  | Com1: RS-232/RS-485, 2 or 4 wire<br>Com2: RS-232<br>Com3: RS-232/RS-485, 2 wire |
| USB Interface | 2 USB 2.0 Host ports, Type A  |
| CF Card Slot  | CompactFlash™, Type II  |
| Sound Output  | 20-bit Stereo Audio   |
| 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/m²)  | 500  |
| Contrast ratio      | 250:1  |
| Max Colors          | 65536 (16 bit)                               |
| Viewing Angle (°)   | 55/65/65/65 (T,B,R,L)                        |
| Backlight Longevity | 40,000 hrs                                   |

## Touchscreen

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

## Environmental

|                       |  |
|-----------------------|--|
| Operating Temperature | 32 ~ 113°F (0 ~ 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               | NEMA4/IP65                                   |
| Certifications        | CE, EMI FCC Class A                          |

## Functionality

|                            |  |
|----------------------------|--|
| 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      | Up to 1000 records<br>Time/Trigger-based   |
| Hardware Options           | Mouse, External Keyboard,<br>Memory Storage, Barcode                                 |
| Windows Fonts              | Unicode support<br>International characters  |
| Multiple Languages         | Up to 8 languages per object   |
| Security                   | 6 levels, 3 passwords per level<br>Interlock Safety feature<br>Visibility protection |
| Macros                     | Math functions, 32-bit Float support   |
| Recipe Management          | Up to 32,767 records<br>Index Feature  |
| Alarm Management           | Four priority levels<br>Organize by category<br>Real-Time or History                 |
| Trending                   | Up to 8 channels<br>Real-Time or History<br>Time/Date Capture<br>Watch Line Feature  |
| Ease of Use                | Popup windows<br>Offline/Online Simulation<br>Extensive Graphics Libraries           |

## Mechanical

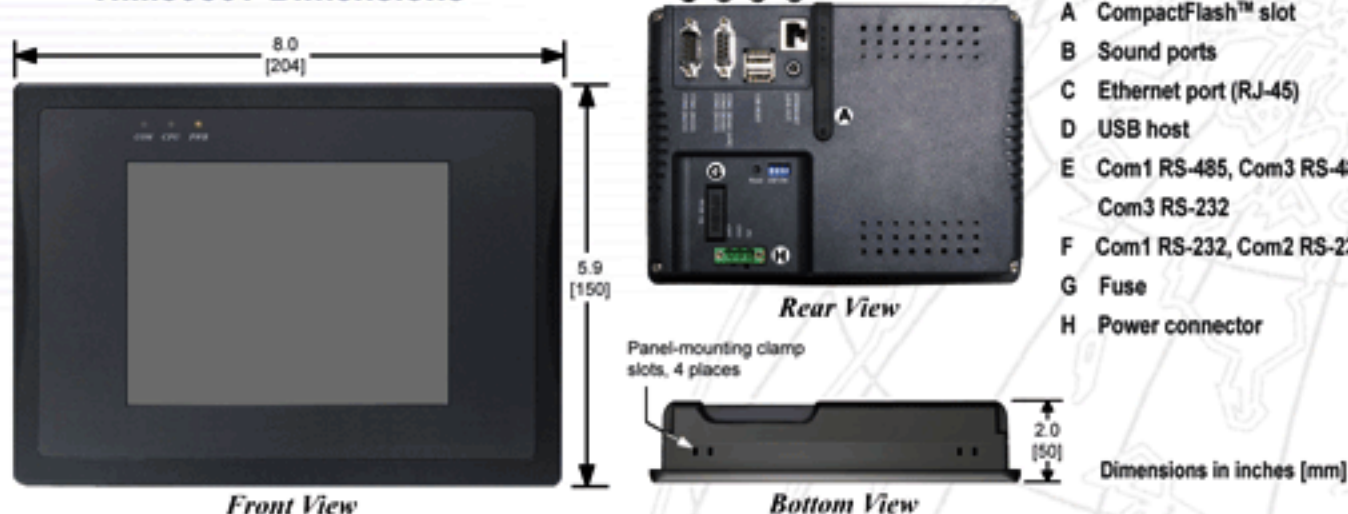
|                    |  |
|--------------------|--|
| Enclosure          | Plastic molding                            |
| Dimensions (WxHxD) | 8.0 x 5.9 x 2.0 inches [204 x 150 x 50 mm] |
| Weight             | 1.9 lbs [0.86 kg]                          |
| Mounting           | Panel                                      |
| Power Requirements | 24VDC, 300mA maximum                       |
| Warranty           | 2 years                                    |

## Order Number

|              |  |
|--------------|--|
| HMI5056T     | 5.6" TFT Graphic OIT                           |
| HMI5056T-KIT | HMI5056T with software and configuration cable |

Specifications may change without notice.

## HMI5056T Dimensions



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