

HMI5043LB | Standard HMI Series

4.3" Dark Grey Industrial HMI





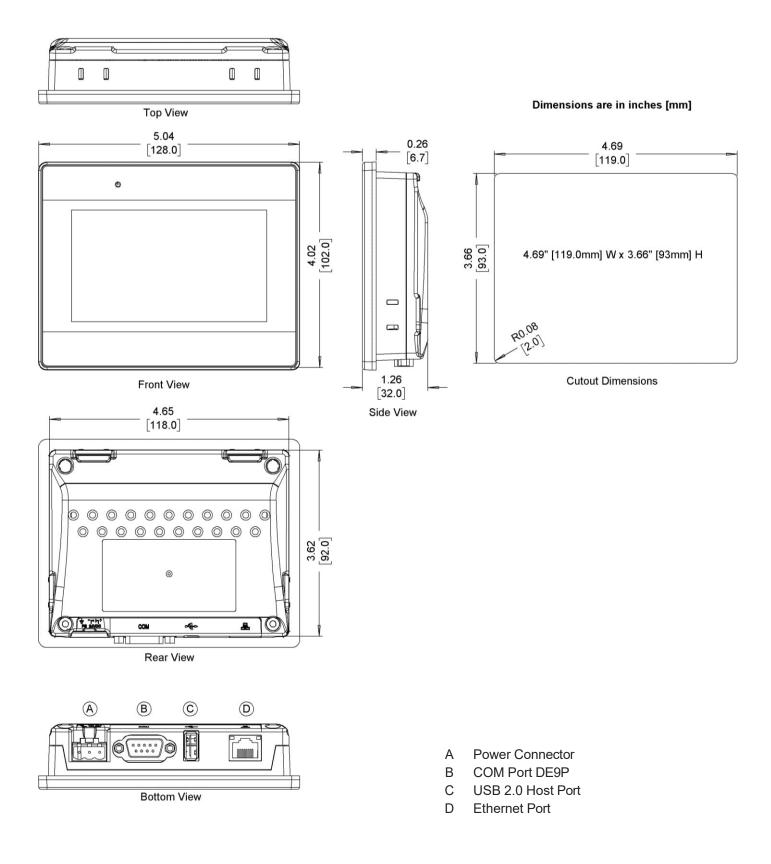
• Enhanced Graphics, Animation

- Enhanced Security
- Email Notification
- Recipe, Data Logging, Pie Charts
- Trend Graphic, Circular Trends
- Remote Access (Easy Access 2.0)

| MOTT | EasyAccess20 | Modbus | VP |
|------|--------------|--------|----|

| System Memory (Flash) 128 MB RTC Built-in Serial 1 x DE9P COM1: RS-232/RS-485.2 or 4 wire, COM3: RS-485.2 wires LAN 1 x 10/100 Base TR1-45 CANbus NA LAN 1 x 10/100 Base TR1-45 CANbus NA USB Client NA Audio NA Video NA Audio NA Video NA Wideo NA WiFi NA So Card Side NA Biplay Type 4.3' TFT LCD Size (W x H) 3.70 x 2.10 inches [95 x 54 mm] Resolution (pixels) 480 x 272 Max. Colors Max. Colors Luminance (cd/m²) 400 Video Video View Ing Angle (H'N') 140/120 Contrast Ratio So Contrast Ratio Electrical Type 4.2' TFT LCD Size (W x H) So Contrast Ratio Backlight Lifetime (hours) 30.00+ TW Max. Colors Max. Colors Luminance (cd/m²) 400 rd/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/m²/ | | CPU | 32-bit RISC Cortex-A8, 600 MHz |
|---|--------------|---|--|
| System Memory (Flash) 128 MB RTC Bull-In Bull-In Serial 1 x DE9P COM1: RS-232/RS-485 2 or 4 wire, COM3: RS-485 2 wires LAN 1 x 10/100 Base-T RJ-45 CANbus N/A USB Host 1 x U0/100 Base-T RJ-45 Audio N/A USB Client N/A Audio N/A Vi-Fi N/A USB Client N/A Wi-Fi N/A BC Card Slot N/A Display Type 4.37 TFT LCD Size (W x H) 3.70 x 2.10 inches [95 x 54 mm] Resolution (pixels) 480 x 272 Max. Colors 16.7 M Luminance (cd/m ²) 400 x 272 Max. Colors 16.7 M Luminance (cd/m ²) 400,000 Viewing Angie (H'/C) 140/120 Contrast Ratio 500.11 Backlight Lifetime (hours) 30,000+ Ipput Voltage 24 ± 20% VOC Input Voltage 24 ± 20% VOC Input Voltage 24 ± 20% VOC | | Memory (RAM) | 128 MB |
| Sorial 1 x DE9P COM1: RS-232/RS-485 2 or 4 wire, COM3: RS-485 2 wires LAN 1 x 10/100 Base-T RJ-45 CANbus N/A USB Host 1 x USB 2.0 USB Cleint N/A Audio N/A WiFi N/A HOMP [®] N/A WiFi N/A HOMP [®] N/A BD Card Slot N/A BD Card Slot N/A BD Card Slot N/A Max Colors 16.7 M Luminance (cd/m²) 400 x272 Max Colors 16.7 M Luminance (cd/m²) 400 x272 Max Colors 16.7 M Luminance (cd/m²) 400 x0 Viewing Angle (H²/V°) 140/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Type 4-wire resistive touch Active Area Accuracy Lengh (X) ± 2%, widh (Y) ± 2% Input Vortage 24 ± 20% VDC Input Current 400 mA @ 24 VDC Input Current 400 mA @ 24 | System | | 128 MB |
| LAN 1 x 10/100 Base-T RJ-45 CANbus NA U/O Ports USB Host 1 x USB 2.0 USB Client N/A Audio N/A Video N/A Video N/A Wide N/A Wide N/A Wide N/A Bigling N/A Bigling N/A SD Card Slot N/A Display Type 4.3 'TFT LCD Size (W X H) 3.70 x 2.10 inches [95 x 54 mm] Resolution (pixels) 480 x 272 Max. Colors 16.7 M Luminance (cd/m²) 400 Viewing Angle (H*W') 140/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Touch Screen Type 4-wire resistive touch Active Area Accuracy Length (X) 2%, width (Y) ± 2% Input Current 400 mA @ 24 VDC Input Oursent 9.6 W Power Isolation Built-In Isolation Resistance < | | RTC | Built-in |
| LAN 1 x 10/100 Base-T RJ-45 CANbus N/A U/O Ports USB Host 1 x USB 2.0 USB Client N/A Audio N/A Video N/A Wideo N/A Wideo N/A Wideo N/A Wide N/A Bigling Size (W x H) 3.70 x 2.10 inches (95 x 54 mm) Resolution (pixols) 480 x 272 Max. Colors 16.7 M Luminance (cd/m²) 400 Viewing Angle (H*V*) 140/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Touch Screen Type 4-wire resistive touch Active Area Accuracy Length (X) ± 2%, width (Y) ± 2% Input Voitage 24 ± 20% VDC Input Ourrent 400 m A@ 24 VDC Input Oursent 9.6 W Power Isolation Built-In Isolation Resistance Exceed 50 MQ at 500 VDC Enclosure Plastic, charocal grey PGE Coasing | | Serial | 1 x DE9P COM1: RS-232/RS-485 2 or 4 wire, COM3: RS-485 2 wires |
| I/O Ports CANbus N/A USB Client N/A Audio N/A Audio N/A Audio N/A Video N/A Wi-Fi N/A HDMi [®] N/A HDMi [®] N/A HDMi [®] N/A Bisplay Type 4.3 "TFT LCD Size (W x H) 3.70 x 2.10 inches [95 x 54 mm] Resolution (pixels) 480 x 272 Max. Colors 16.7 M Luminance (cdm ^a) 400 Viewing Angle (PV/Y) 1400/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30.000+ Touch Screen Active Area Accuracy Input Voltage 24 ± 20% WDC Input Voltage 24 ± 20% WDC Input Power 9.6 W Power Isolation Built-in Isolation Resistance Exceed 50 MΩ at 500 VDC Input Power 9.6 W POwer Isolation Built-in Isolation Resistance Exceed 50 MΩ at 500 | | | |
| UO Ports USB Host 1 x USB 2.0 USB Client N/A Audio N/A Video N/A Wi-Fi N/A BDImPolic Advite Viewing Angle (H*/V*) 1401/20 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Active Area Accuracy Length (X) ± 2% Input Yolkage 24 ± 20%, width (Y) ± 2% Input Yolkage 24 ± 20% Input Power 9.6 W Power Isolation </th <th></th> <th>CANbus</th> <th>N/A</th> | | CANbus | N/A |
| USE ClientN/AAudioN/AAudioN/AVideoN/AWi-FiN/AHDMI®N/ABD Card SlotN/ADisplayDisplay Type4.3 TFT LCDBize (W x H)3.70 x 2.10 inches [95 x 54 mm]Resolution (pixels)480 x 272Max. Colors16.7 MLuminance (cd/m²)400Viewing Angie (H'/V')140/120Contrast Ratio500:1Backlight Lifetime (hours)30.000+Touch ScreenType4 - Active Area AccuracyLength (X) ± 2%, width (Y) ± 2%Input Voltage24 ± 20% VDCInput Vortage24 ± 20% VDCInput Current400 mA @ 24 VDCInput Current9.6 WPower IsolationBuilk-InIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lis. [0.25 kg]MountingPanel mountingOperating Temperature $32^{*} - 12^{*}$ F (0* - 50° C)Relative Humidity10% - 90% (non-condensing)Vibration Endurance10 L 25 Hz (/indor use only), NEMA 4, IP65 compliant front panelCertificationscULuy, CE, RoHSElbro (v6 0.0.0.1.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | 1/O Posto | | |
| VideoN/AWi-FiN/AHOM®N/ASD Card SlotN/ADisplay Type4.3" TFT LCDSize (W x H)3.70 x.2.10 inches [95 x 54 mm]Resolution (pixels)480 x 272Max. Colors16.7 MLuminance (cd/m*)400Viewing Angle (H*V*)140/120Contrast Ratio500:1Backlight Lifetime (hours)30,000+Touch ScreenTypeActive Area AccuracyLength (X) $\pm 2\%$, width (Y) $\pm 2\%$ Input Voltage24 $\pm 20\%$ VDCInput Ourrent400 mA Q2 4 VDCInput Power9.6 WPower IsolationBuiltinIsolation ResistanceExceed 50 MΩ at 500 VDCEnciosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature $32^* - 122^* F (0^* - 50^* C)$ Storage Temperature $32^* - 122^* F (0^* - 50^* C)$ Relative Humidity10% $\sim 90\%$ (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsU. Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationsOULsy, CE, RoHSEnvironmentalEBPTo (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | I/O PORts | USB Client | |
| Wi-FiN/AHDMI®N/ASD Card SlotN/ADisplay Type4.3' TFT LCDSize (W x H)3.70 x 2.10 inches [95 x 54 mm]Resolution (pixels)480 x 272Max. Colors16.7 MLuminance (cd/m²)400Viewing Angle (H*/V°)140/120Contrast Ratio500.1Backlight Lifetime (hours)30,000+Touch ScreenTypeActive Area AccuracyLengih (X) $\pm 2\%$, width (Y) $\pm 2\%$ Input Voltage24 $\pm 20\%$ VDCInput Voltage24 $\pm 20\%$ VDCInput Voltage24 $\pm 20\%$ VDCInput Power9.6 WPower IsolationBuilt-inIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)Sol 4x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 Ibs. [0.25 kg]MountingPanel mountingOperating Temperature $32^* - 122^*$ (0° $- 50^*$ C)Storage Temperature $4^* - 140^*$ F (-20° $- 60^*$ C)Relative Humidity10% $- 90\%$ (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RelatingUI: Type A(kindor use only), NEMA 4, IP65 compliant front panelCertificationscUI Lype CR (choreal sci 0.01, MQTT, VNC | | Audio | N/A |
| HDMI® N/A SD Card Slot N/A Display Type 4.3 TFT LCD Display Type 4.3 TFT LCD Size (W x H) 3.70 x 2.10 inches [95 x 54 mm] Resolution (pixels) 480 x 272 Max. Colors 16.7 M Luminance (cd/m²) 400 Viewing Angle (H*/V*) 140/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Type 4-wire resistive touch Active Area Accuracy Length (X) ± 2%, width (Y) ± 2% Input Voltage 24 ± 20V VDC Input Voltage 24 ± 20V VDC Input Power 9.6 W Power Isolation Built-in Isolation Resistance Enclosure Enclosure Plastic, charcoal grey PCB Coating Yes Dimensions (W X H x D) 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] Net Weight Approx. 0.55 lbs. [0.25 kg] Mounting Panel mounting Operating Temperature 4* ~ 140° F (-20° ~ 60° C) Storag Temperature | | Video | N/A |
| SD Card Slot NA Display Type 4.3 TFT LCD Size (W x H) 3.70 x 2.10 inches [95 x 54 mm] Resolution (pixels) 480 x 272 Max. Colors 16.7 M Luminance (cd/m ²) 400 Viewing Angle (H*/V*) 140/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Touch Screen Active Area Accuracy Active Area Accuracy Length (X) ± 2%, width (Y) ± 2% Input Voltage 24 ± 20% VDC Input Voltage 24 ± 20% VDC Input Current 400 mA @ 24 VDC Input Current 400 mA @ 24 VDC Input Fower 9.6 W Power Isolation Built-in Isolation Resistance Exceed 50 MD at 500 VDC Enclosure Plastic, charcoal grey PCB Coating Yes Dimensions (W x H x D) 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] Net Weight Approx. 0.55 Ibs. [0.25 kg] Mounting Panel mounting Operating Temperature 4 ⁿ + 140 ^s F (-20 ⁿ ~ 60 ^s C) | | Wi-Fi | N/A |
| SD Card Slot N/A Display Type 4.3" TFT LCD Size (W x H) 3.70 x 2.10 inches [95 x 54 mm] Resolution (pixels) 480 x 272 Max. Colors 16.7 M Luminance (cd/m ²) 400 Viewing Angle (H ⁴ /V [*]) 140/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Touch Screen Type A-wire resistive touch Active Area Accuracy Length (X) ± 2%, width (Y) ± 2% Input Voltage 1put Voltage 24 ± 20% VDC Input Voltage 24 ± 20% VDC Input Current 400 mA @ 24 VDC Input Power 9.6 W Power Isolation Built-in Isolation Resistance Exceed 50 MD at 500 VDC Enclosure Plastic, charcoal grey PCB Coating Yes Mounting Panel mounting Operating Temperature 32" + 12" F (0" ~ 50" C) Storage Temperature 4" - 140" F (-20" ~ 60" C) Retiry Humidity 100 % - 90% (non-condensing) Vibration | | HDMI® | N/A |
| DisplayDisplay Type 4.3° TFT LCDSize (W x H) 3.70×2.10 inches [95 x 54 mm]Resolution (pixels) 480×272 Max. Colors16.7 MLuminance (cd/m ²)400Viewing Angle (H'/V')140/120Contrast Ratio500:1Backlight Lifetime (hours)30.000+Active Area AccuracyLength (X) $\pm 2\%$, width (Y) $\pm 2\%$ Input Voltage24 $\pm 20\%$ VDCInput Voltage24 $\pm 20\%$ VDCInput Current400 mA @ 24 VDCInput Power9.6 WPower IsolationBuiltinIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox.055 lbs. [0.25 kg]MountingPanel mountingOperating Temperature $4^\circ - 140^\circ$ F (- $20^\circ - 60^\circ$ C)Relative Humidity10% $\sim 90\%$ (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, ReHSElever (v6.0.0.1.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | SD Card Slot | |
| Size (W x H) 3.70×2.10 inches [95 x 54 mm]DisplayMax. Colors 480×272 Max. Colors 16.7 MLuminance (cd/m ³)400Viewing Angle (H ^o /V ^o) $140/120$ Contrast Ratio 500.1 Backlight Lifetime (hours) $30,000+$ Touch ScreenTypeActive Area AccuracyLength (X) $\pm 2\%$, width (Y) $\pm 2\%$ Input Voltage $24 \pm 20\%$ VDCInput Voltage $24 \pm 20\%$ VDCInput Voltage $2.6 W$ Power IsolationBuilt-inIsolation ResistanceExceed 50 MQ at 500 VDCEnclosurePlasic, charcoal greyPCB CoatingYesDimensions (W x H x D) $5.04 \times 4.02 \times 1.26$ inches [128 x 102 x 32 mm]Net WeightApprox. 0.56 lbs. [0.25 kg]MountingPanel mountingOperating Temperature $32^{\circ} - 122^{\circ}$ F (0° ~ 50° C)Storage Temperature $4^{\circ} - 140^{\circ}$ F ($\cdot 20^{\circ} \sim 60^{\circ}$ C)Relative Hundity $10\% \sim 90\%$ (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | 4.3" TFT LCD |
| DisplayResolution (pixels) 480×272 Max. Colors 16.7 M Luminance (cd/m²) 400 Viewing Angle (H*V*) $140/120$ Contrast Ratio 500.1 Backlight Lifetime (hours) $30,000+$ Touch ScreenType $4-wire resistive touch$ Active Area AccuracyLength (X) $\pm 2\%$, width (Y) $\pm 2\%$ Input Voltage $24 \pm 20\%$ VDCInput Voltage $24 \pm 20\%$ VDCInput Power $9.6 W$ Power IsolationBuilt-inIsolation ResistanceExceed $50 M\Omega at 500 VDC$ EncionarePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D) $5.04 \times 4.02 \times 1.26$ inches [$128 \times 102 \times 32 \text{ rm}$]Net WeightApprox. $0.55 \text{ lbs.} [0.25 \text{ kg}]$ MountingPanel mountingOperating Temperature $32^{\circ} - 122^{\circ} F (0^{\circ} - 50^{\circ} C)$ Storage Temperature $32^{\circ} - 122^{\circ} F (0^{\circ} - 60^{\circ} C)$ Relative Humidity $10\% \sim 90\%$ (non-condensing)Vibration Endurance $10 \text{ to } 25 \text{ Hz} (X, Y, Z direction, 2 G, 30 minutes)$ RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | 3.70 x 2.10 inches [95 x 54 mm] |
| Display Max. Colors 16.7 M Luminance (cd/m?) 400 Viewing Angle (H*)V*) 140/120 Contrast Ratio 500:1 Backlight Lifetime (hours) 30,000+ Touch Screen Type Active Area Accuracy Length (X) ± 2%, width (Y) ± 2% Input Voltage 24 ± 20%, VDC Input Voltage 24 ± 20% VDC Input Power 9.6 W Power Isolation Built-in Isolation Resistance Exceed 50 MΩ at 500 VDC Enclosure Plastic, charcad grey PCB Coating Yes Dimensions (W x H x D) 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] Net Weight Approx.055 lbs. [0.25 kg] Mounting Panel mounting Operating Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature 100 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS Environmental Environ Endurance Nourtio Enviot (indoor use only | 5. 1 | · · · · | |
| Luminance (cd/m²)400Viewing Angle (H*/V*)140/120Contrast Ratio500:1Backlight Lifetime (hours)30,000+Touch ScreenType4-wire resistive touchActive Area AccuracyLength (X) ± 2%, width (Y) ± 2%Input Voltage24 ± 20% VDCInput Current400 mA @ 24 VDCInput Power9.6 WPower IsolationBuilt-inIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature-4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscUL xype 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscUL xype 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscUL xype 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscUL xype 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscUL xype 4X (indoor use only), NEMA 4, IP65 compliant front panel | | | 16.7 M |
| Viewing Angle (H°/V°)140/120Contrast Ratio500:1Backlight Lifetime (hours)30,000+Type4-wire resistive touchActive Area AccuracyLength (X) ± 2%, width (Y) ± 2%Input Voltage24 ± 20% VDCInput Voltage24 ± 20% VDCInput Power9.6 WPower IsolationBuilt-inIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEnv (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | Display | Luminance (cd/m ²) | 400 |
| Contrast Ratio500:1Backlight Lifetime (hours)30,000+Touch ScreenType4-wire resistive touchActive Area AccuracyLength (X) ± 2%, width (Y) ± 2%Input Voltage24 ± 20%, WDCInput Voltage24 ± 20% VDCInput Power9.6 WPower IsolationBuilt-inIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 120° F (0° ~ 50° C)Storage Temperature4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEnvironmentalEnviron1.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | 140/120 |
| Touch ScreenType4-wire resistive touchActive Area AccuracyLength (X) ± 2%, width (Y) ± 2%Input Voltage24 ± 20% VDCInput Current400 mA @ 24 VDCInput Power9.6 WPower IsolationBuilt-inIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature-4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEndromeEBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | 500:1 |
| Touch ScreenType4-wire resistive touchActive Area AccuracyLength (X) ± 2%, width (Y) ± 2%Input Voltage24 ± 20% VDCInput Current400 mA @ 24 VDCInput Power9.6 WPower IsolationBuilt-inIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature-4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEndromeEBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Backlight Lifetime (hours) | 30,000+ |
| Active Area AccuracyLength (X) ± 2%, width (Y) ± 2%Input Voltage24 ± 20% VDCInput Current400 mA @ 24 VDCInput Power9.6 WPower IsolationBuilt-inIsolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature-4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHS | Touch Screen | | 4-wire resistive touch |
| Electrical Input Current 400 mA @ 24 VDC Input Power 9.6 W Power Isolation Built-in Isolation Resistance Exceed 50 MΩ at 500 VDC Enclosure Plastic, charcoal grey PCB Coating Yes Dimensions (W x H x D) 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] Net Weight Approx. 0.55 lbs. [0.25 kg] Mounting Panel mounting Operating Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature -4° ~ 140° F (-20° ~ 60° C) Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Active Area Accuracy | Length (X) \pm 2%, width (Y) \pm 2% |
| Electrical Input Power 9.6 W Power Isolation Built-in Isolation Resistance Exceed 50 MΩ at 500 VDC Enclosure Plastic, charcoal grey PCB Coating Yes Dimensions (W x H x D) 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] Net Weight Approx. 0.55 lbs. [0.25 kg] Mounting Panel mounting Operating Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature -4° ~ 140° F (-20° ~ 60° C) Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS | | Input Voltage | 24 ± 20% VDC |
| Input Power 9.6 W Power Isolation Built-in Isolation Resistance Exceed 50 MΩ at 500 VDC Enclosure Plastic, charcoal grey PCB Coating Yes Dimensions (W x H x D) 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] Net Weight Approx. 0.55 lbs. [0.25 kg] Mounting Panel mounting Operating Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature 4° ~ 140° F (-20° ~ 60° C) Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Input Current | 400 mA @ 24 VDC |
| Isolation ResistanceExceed 50 MΩ at 500 VDCEnclosurePlastic, charcoal greyPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature-4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | Electrical | Input Power | 9.6 W |
| Mechanical Enclosure Plastic, charcoal grey PCB Coating Yes Dimensions (W x H x D) 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] Net Weight Approx. 0.55 lbs. [0.25 kg] Mounting Panel mounting Operating Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature -4° ~ 140° F (-20° ~ 60° C) Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS Software EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Power Isolation | Built-in |
| MechanicalPCB CoatingYesDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature-4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSEBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Isolation Resistance | Exceed 50 MΩ at 500 VDC |
| MechanicalDimensions (W x H x D)5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm]Net WeightApprox. 0.55 lbs. [0.25 kg]MountingPanel mountingOperating Temperature32° ~ 122° F (0° ~ 50° C)Storage Temperature-4° ~ 140° F (-20° ~ 60° C)Relative Humidity10% ~ 90% (non-condensing)Vibration Endurance10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)RatingsUL Type 4X (indoor use only), NEMA 4, IP65 compliant front panelCertificationscULus, CE, RoHSSoftwareEBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | Plastic, charcoal grey |
| Environmental Dimensions (W X H X D) 0.04 X 4.02 X 1.20 modes [120 X 102 X 02 X 02 X 01 X 02 X 02 X 02 | | PCB Coating | Yes |
| Mounting Panel mounting Operating Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature -4° ~ 140° F (-20° ~ 60° C) Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS Software EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | Mechanical | Dimensions (W x H x D) | 5.04 x 4.02 x 1.26 inches [128 x 102 x 32 mm] |
| Operating Temperature 32° ~ 122° F (0° ~ 50° C) Storage Temperature -4° ~ 140° F (-20° ~ 60° C) Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS Bebro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Net Weight | |
| Storage Temperature -4° ~ 140° F (-20° ~ 60° C) Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS Bebro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | |
| Environmental Relative Humidity 10% ~ 90% (non-condensing) Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS BPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | |
| Vibration Endurance 10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes) Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS Software EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | | |
| Ratings UL Type 4X (indoor use only), NEMA 4, IP65 compliant front panel Certifications cULus, CE, RoHS Software EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Relative Humidity | |
| Certifications cULus, CE, RoHS Software EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | Vibration Endurance | |
| Software EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | | v | |
| | | | |
| Notes Specifications subject to change without notice | Software | EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), MQTT, VNC | |
| | Notes | Specifications subject to change | without notice |







Why Buy A Maple HMI

In addition to our powerful and affordable hardware, we'll also continue to support your company long after a sale. Wide product selection, large in-stock inventory, outstanding product warranty, free technical support and software, and in-house repairs with quick turnaround times, Maple Systems has your business covered.



Class I, Division 2 HMIs

We offer CID2 certified HMIs designed to keep operators and their environment safe. These HMIs are being used in a potentially dangerous environment or around flammable hazards every day, and are designed to prevent dangerous explosions and ensure worker safety.

Our CID2 HMIs (HMI5070L and HMI5070LB) are used in industries including oil and gas, mining, painting, chemical processing, pharmaceutical, food processing, and more.

We also have CID2/Atex certified Industrial Panel PCs and Industrial Monitors. And for those looking for PLC functionality, we offer a Class I, Div 2 HMI+PLC combo series.

Remote Access

Remote access is the ability to access a HMI or connected device, from another device, at any time, and from anywhere. With our free HMI configuration software and supported hardware solutions, you have the freedom to access the HMI, and all its data and applications, from another device (ex. tablet, smart phone, PC) and control it as if you were standing in front of it.

Need more? Access the Industrial Internet of Things (IIoT) with our Advanced HMIs. Take data from your factory floor and share it with a server (local or a cloud service), offering greater efficiency for network use and enabling better access to and better sharing data for your entire organization.

Power and Flexibility

Build your SCADA

We offer all the components you need to create your own unique level of supervisory data acquisition and control, from the simplest stand-alone machine to sophisticated multi-device networked production line(s), all the way to enterprise-level operations and lloT functionalities leveraging cloud connectivity.

Our products can help you standardize communications between devices, gluing different systems together for one source to your SCADA. No need to redesign your entire application. Keep the components that are already working for you, just add Maple Systems components to grow your abilities to supervise, control, and acquire data.

Incredible Functionality Out of the Box

- Easily and quickly create the project with functional objects including numeric object, lamp object, combobutton, alarms, and recipes
- · Pick and place objects, pictures, and shapes
- Import/export recipes
- · Create trend display, graphs, XY plots, and pie charts
- Add passwords and security levels
- Assign communication (PLC) drivers easily and more with our Free HMI software

Additionally our HMIs support remote access solutions with VNC, MQTT, and OPC UA. For additional features see our Advanced HMI series.

User Friendly HMI Configuration Software

Because designing the layout of screens and user-interface (UI) of the HMI is typically where most of the development time is spent, we've made our Free HMI configuration software easy to use.

- Import tags feature
- Tools to diagnose and monitor PLC to HMI connection
- Debugging tools
- Pre-built libraries
- Off-line and on-line simulation

These are just a few of the ways our software makes creating your project easier. We also have controller information sheets, cable drawings, sample projects, Getting Started Guides, and videos/tutorials available in our support center 24/7.





Programmable Logic Controller (PLC) Connectivity

With over 300 PLC & Controller communication protocols, these HMIs will easily integrate with your preferred PLC brands, including:

Allen-Bradley Siemens Omron Emerson GE Panasonic Mitsubishi ...and many more

Panel Mount HMI Feature Overview

| With few exceptions, all our Standard HMIs support (this covers all the HMI prefix models, ex: HMI5043L/LB, HMI5070L/LB): | With few exceptions, all our Advanced HMIs support (this covers all the cMT2xxx series): | With few exceptions, all our High Performance HMIs support (this covers all the cMT3xxx series HMIs): |
|---|--|---|
| | | |
| Alarm & Event Messages | Alarm & Event Messages | Alarm & Event Messages |
| Animation - Flow Block | Animation - Flow Block | Animation - Flow Block |
| ASCII Characters | ASCII Characters | ASCII Characters |
| Bar Graphs | Bar Graphs | Bar Graphs |
| Combo Button | Combo Button | Combo Button |
| Data Logging and Sampling | Data Logging and Sampling | Data Logging and Sampling |
| Date / Time | Date / Time | Date / Time |
| Dynamic Drawing | Dynamic Drawing | Dynamic Drawing |
| Dynamic Scale | Dynamic Scale | Dynamic Scale |
| EasyAccess 2.0 | EasyAccess 2.1 | EasyAccess 2.0 |
| EasyWatch | EasyWatch | EasyWatch |
| Enhanced Security Mode | Enhanced Security Mode | Enhanced Security Mode |
| Event Alarm Log | Event Alarm Log | Event Alarm Log |
| File Browser | File Browser | File Browser |
| Grid Display | Grid Display | Grid Display |
| Languages (Up to 24) | Languages (Up to 24) | Languages (Up to 24.) |
| Libraries | Libraries | Libraries |
| | | |
| Macros | Macros | Macros |
| Meters & Gauges | Meters & Gauges | Meters & Gauges |
| Modbus | Modbus | Modbus |
| Objects (Grouping, Layering, Aligning, Flip) | Objects (Grouping, Layering, Aligning, Flip) | Objects (Grouping, Layering, Aligning, Flip) |
| Off-line / On-line Simulation | Off-line / On-line Simulation | Off-line / On-line Simulation |
| OPC UA Client | OPC UA Client | OPC UA Client |
| Operation Log | Operation Log | Operation Log |
| Pass-Through Mode | Pass-Through Mode | Pass-Through Mode |
| Picture Object | Picture Object | Picture Object |
| Picture Viewer | Picture Viewer | Picture Viewer |
| Pie Chart | Pie Chart | Pie Chart |
| PLC Tag Embedded in Project | PLC Tag Embedded in Project | PLC Tag Embedded in Project |
| · · | | |
| Project Password | Project Password | Project Password |
| Recipes | Recipes | Recipes |
| Remote Access | Remote Access | Remote Access |
| Scheduler | Scheduler | Scheduler |
| Security Levels (Enhanced) | Security Levels (Enhanced) | Security Levels (Enhanced) |
| System Setting Editor | System Setting Editor | System Setting Editor |
| Table | Table | Table |
| Text Object | Text Object | Text Object |
| Timer Object | Timer Object | Timer Object |
| Trend Display (Graphs) | Trend Display (Graphs) | Trend Display (Graphs) |
| User-Defined Start-Up Screen | User-Defined Start-Up Screen | User-Defined Start-Up Screen |
| Utility Manager | Utility Manager | Utility Manager |
| · · · | | |
| VNC Server | VNC Server | VNC Server |
| XY Plot | XY Plot | XY Plot |
| Email (1) | Email | Email |
| Macro Windows Open / Cycle / Close (1) | Macro Windows Open / Cycle / Close | Macro Windows Open / Cycle / Close |
| MQTT (1) | MQTT | MQTT |
| String Table (1) | String Table | String Table |
| Time Synchronization (1) | Time Synchronization | Time Synchronization |
| USB Tethering (1) | USB Tethering | USB Tethering |
| VNC Viewer (1) | VNC Viewer | VNC Viewer |
| | IP Camera | IP Camera |
| | USB Camera | USB Camera |
| | Animation (Objects, Word Lamp, GIFs, Moving Shape) | Animation (Objects, Word Lamp, GIFs, Moving Shape |
| | | |
| | BACnet | BACnet |
| | CANbus | CANbus |
| | cMT Diagnoser | cMT Diagnoser |
| | cMT Viewer Support | cMT Viewer Support |
| | CODESYS (2) | CODESYS (2) |
| | Media Player | Media Player |
| | MQTT - Advanced JSON | MQTT - Advanced JSON |
| | MQTT - AWS IoT, Sparkplug B, Azure IoT Hub, Google Cloud IoT Core | MQTT - AWS IoT, Sparkplug B, Azure IoT Hub, Google Cloud IoT Core |
| | PDF Reader | PDF Reader |
| | Web Streaming | Web Streaming |
| | WebView | WebView |
| | | Barcode Scanner (Android Camera) |
| | | Database Server |
| | | |
| | | File Transfer Protocol (FTP) |
| | | ODC IIA Conver |
| | | OPC UA Server |
| | | OPC UA Server PLC Web Browser SQL Database Server Integration |

This table is for illustration only and subject to change. Always check the software to see if a feature is supported in your specific hardware.

(1) Not supported in the B Series

(2) Not supported on the cMT2166X