Hardware Specifications

Advanced HMI

| Model | | Advanced Narrow Frame Type | | | | |
|---------------------|--|--|---|-------------------------|--|--|
| | | DOP-103WQ DOP-107WV DOP-1 | | | | |
| | Display | 4.3" TFT LCD | 7" TFT LCD | 10.1" TFT LCD | | |
| | Color | | 65,536 | | | |
| | Resolution (Pixels) | 480 x 272 | 800 x 480 | 1024 x 600 | | |
| LCD Module | Back Light | LED Back Light | | | | |
| | Back Light Brightness (cd/m ²) | 400 | 450 | 450 | | |
| | Back Light Life (Hour) *1 | 10,000 | 20,000 | 30,000 | | |
| | Display Area | 95.04 x 53.856 mm | 154.08 x 85.92 mm | 225.52 x 128.10 mm | | |
| | MCU | | ARM Cortex-A8 (800MHz) | | | |
| | Flash ROM (Bytes) | | 256 MB | | | |
| | RAM (Bytes) | | 512 MB | | | |
| | Touch Panel | Four- | wire resistor, over 10,000,000 pressing | times | | |
| | Buzzer | М | ulti-Tone Frequency (2K ~ 4K Hz) / 800 | dB | | |
| | Ethernet Interface | | 1 Port ^{*2} , 10/100 Mbps auto-sensing | | | |
| | USB | 1 USB Slave Ver 2.0 / 1 USB Host Ver 2.0 | | | | |
| | SD | N/A | | | | |
| Serial | COM1 | RS-232 (supports hardware flow control) / RS-485 ^{'2} RS-232 (supports hardware flow control) | | | | |
| COM Port | COM2 | RS-422 / RS-485 ^{°2} RS-232 (supports hardware flow control) / RS-485 ^{°2} | | | | |
| | COM3 | N/A RS-422 / RS-485 ^{'2} | | | | |
| | RTC | Built-in | | | | |
| | Cooling | Natural air circulation | | | | |
| | Certification | CE / UL | | | | |
| | Waterproof | IP65 / NEMA4 / UL Type 4X (indoor use only) | | | | |
| | Operation Voltage *3 | DC +24V (-15% ~ 15%) ^{*2} | | | | |
| | Voltage Endurance | A599V for 1 minute (between charging DC24 terminal and FG terminals) | | | | |
| P | Power Consumption ^{*₅} | Max. 5.8W *3 | Max. 8.4 W *3 | Max. 11 W ^{*3} | | |
| | Backup Battery | 3V lithium battery CR2032 × 1 | | | | |
| | Backup Battery Life | Depends on the temperature used and the conditions of usage, usually about 3 years or more at 25° C | | | | |
| 0 | perating Temperature | 0°C ~ 50°C | | | | |
| Storage Temperature | | -20 °C ~ 60 °C | | | | |
| Ambient Humidity | | 10% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2 | | | | |
| | Vibration | IEC 61131-2 compliant 5Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1.0g | | | | |
| | Shock | IEC 60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times | | | | |
| Dime | nsions (W) x (H) x (D) mm | 137 x 103 x 37.1 | 196 x 136 x 39 | 270 x 180.9 x 47.75 | | |
| Mounti | ng dimension (W) x (H) mm | 118.8 x 92.8 | 186.8 x 126.8 | 255 x 170.5 | | |
| Weight | | 280 g | 560g | 1,100g | | |

The half-life of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMI.
 Built-in power isolation
 An isolated power supply is recommended.
 Some models are in the process of application for UL and KCC certification. For more information, please consult our distributors.
 The value of the power consumption indicates the electrical power consumed by the HMI with no peripheral devices connected.
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Advanced HMI

| Model | Advanced Narrow Frame Type | | Advanced Multimedia Type | | | |
|--|--|--|---|--|--|--|
| WOden | DOP-112WX DOP-115WX | | DOP-112MX | DOP-115MX | | |
| Display | 12" TFT LCD 15" TFT LCD 12" TFT LCD 15" TFT LCE | | | | | |
| Color | 24bit | | | | | |
| Resolution (Pixels) | 1024 x 768 | | | | | |
| Back Light | LED Back Light | | | | | |
| Back Light Brightness (cd/m ²) | 500 450 500 450 | | | | | |
| Back Light Life (Hour) *1 | 50,000 | | | | | |
| Display Area | 245.76 x 184.32 mm | 304.1 x 228.1 mm | 245.76 x 184.32 mm | 304.1 x 228.1 mm | | |
| MCU | Dual Core 1GHz | | | | | |
| Flash ROM (Bytes) | | 80 | ЭВ | | | |
| RAM (Bytes) | | DDR3 100 | 0MHz 1GB | | | |
| Touch Panel | | Four-wire resistor, over 1 | 0,000,000 pressing times | | | |
| Buzzer | | Multi-Tone Frequency | / (2K ~ 4K Hz) / 85dB | | | |
| Ethernet Interface | 2 Port, 100M bps x 2 | | | | | |
| USB | 1 Mini USB Slave Ver 2.0 / 1 USB Host Ver 2.0 | | | | | |
| SD | SD x 1 | | | | | |
| COM1 | RS-232 (supporting flow control) / RS485 ^{*2} | | | | | |
| COM2 | RS-422 / RS485 ^{*2} | | | | | |
| COM3 | RS-232 (supporting flow control) / RS-485 ^{*2} | | | | | |
| COM4 | RS-422 / RS485 | | | | | |
| RTC | Built-in | | | | | |
| Cooling | Natural air circulation | | | | | |
| Certification | CE / UL | | | | | |
| Waterproof | IP65 / NEMA4 / UL Type 4X (indoor use only) | | | | | |
| Operation Voltage *3 | DC +24V (-15% ~ 15%) ^{*2} | | | | | |
| Voltage Endurance | A599V | for 1 minute (between chargi | ng DC24 terminal and FG ter | minals) | | |
| ower Consumption *5 | Max. 16.08W | Max. 21.12W | Max. 16.08W | Max. 21.12W | | |
| Backup Battery | 3V lithium battery CR2032 × 1 | | | | | |
| Backup Battery Life | Depends on the temperature used and the conditions of usage, usually about 3 years or more at 25° C | | | | | |
| peration Temperature | 0°C ~ 50°C | | | | | |
| storage Temperature | -20 °C ~ 60 °C | | | | | |
| Ambient Humidity | 10% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2 | | | | | |
| | IEC 61131-2 compliant 5Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1.0g | | | | | |
| Viberation | • | IEC 60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times | | | | |
| Viberation Shock | IEC 60068-2 | -27 compliant 15g peak for 11 | Ims duration, X, Y, Z, directio | ns for 6 times | | |
| | IEC 60068-2 317.4 x 246.4 x 52.7 | -27 compliant 15g peak for 11 387.7 x 295.7 x 63.5 | ms duration, X, Y, Z, directio 317.4 x 246.4 x 52.7 | | | |
| Shock | | | | ns for 6 times 387.7 x 295.7 x 63. 372.4 x 283.7 | | |
| | Color Resolution (Pixels) Back Light life (Hour) ⁻¹ Back Light Life (Hour) ⁻¹ Display Area MCU Flash ROM (Bytes) RAM (Bytes) Touch Panel Buzzer Buzzer SD COM1 COM1 COM1 COM1 COM2 COM2 COM3 COM3 COM3 COM4 COM4 RTC COM4 COM4 COM4 COM4 COM4 COM4 COM4 COM | ModelDOP-112WXDisplay12" TFT LCDColor12" TFT LCDResolution (Pixels)500Back Light Clight500Back Light Life (Hour) "1245.76 x 184.32 mmMCU245.76 x 184.32 mmMCU7000Flash ROM (Bytes)245.76 x 184.32 mmMCU10000Flash ROM (Bytes)10000Buzzer10000Ethernet Interface100000USB1000000SD1000000000000000000000000000000000000 | Model DOP-112WX DOP.115WX Display 12" TFT LCD 15" TFT LCD Color | ModelDOP-112WXDOP-118WXDOP-112MXDisplay12" TFT LCD16" TFT LCD12" TFT LCDColor24b1024 × 763Back Light1024 × 7631024 × 763Back Light Rightness (cd/m)500450500Back Light Life (Hour) "1500450500Back Light Life (Hour) "1245.76 x 184.32 mm245.76 x 184.32 mm245.76 x 184.32 mmMCUDuration (Pixels)304.1 x 228.1 mm245.76 x 184.32 mmMCUDuration (Pixels)Duration (Pixels)1000000 pressing timesBuzzerDDR3 10000000 pressing timesBuzzer1000.0000 pressing timesBuzzerMulti-Tone Frequency (2K - 4K Hz) / 85dB2 Port, 100.000 pressing timesBuzzerUSBSD x 1SD x 1SDSD x 1SD x 1SD x 1COM1FRS-232 (supporting flow control) / RS485 "2COM3COM3CoM4RS-232 (supporting flow control) / RS485 "2ColingNatural atriculationCertificationCE / ULVatage EnduranceA599 / DC + 24V (-15% - 15%) "2Vottage EnduranceA599 / OT + minute (between charµ) DC24 erminal and FG terover Consumption "1Max 16.08WMax 21.12WBackup Battery LifeDepends on the terry atricus and the conditors of usage, | | |

The half-life of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMI.
 Built-in power isolation
 An isolated power supply is recommended.
 Some models are in the process of application for UL and KCC certification. For more information, please consult our distributors.
 The value of the power consumption indicates the electrical power consumed by the HMI with no peripheral devices connected.
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Hardware Specifications

Standard HMI

| Model | | Standard General Type | | | | | |
|---------------------|--|--|-------------------|----------------|-----------------------|--|--|
| | | DOP-105CQ DOP-107CV DOP-110CS DOP-110CG | | | | | |
| | Display | 5.6" TFT LCD | 7" TFT LCD | 10" TFT LCD | 10.4" TFT LCD | | |
| LCD Module | Color | 65,536 | | | | | |
| | Resolution (Pixels) | 320 x 234 | 800 x 480 | 1024 x 600 | 800 x 600 | | |
| | Back Light | LED Back Light | | | | | |
| | Back Light Brightness (cd/m ²) | 200 400 300 300 | | | | | |
| | Back Light Life (Hour) ^{*1} | 20000 | | | | | |
| | Display Area | 113.28 x 84.70 mm | 154.08 X 85.92 mm | 226 X 128.7 mm | 211.2 x 158.4 mm | | |
| | MCU | ARM Cortex-A8 (800MHz) | | | | | |
| | Flash ROM (Bytes) | | 256 N | Ibytes | | | |
| | RAM (Bytes) | | 256 M | Ibytes | | | |
| Touch Panel | | Four-wire resistor, over > 10,000,000 pressing times Four-wire resistor, over 1,000,000 pressing times | | | | | |
| Audio | Buzzer | Multi-Tone Frequency (2K ~ 4K Hz) / 80dB | | | | | |
| Output | AUX | N/A | | | | | |
| | USB | 1 USB Slave Ver 2.0 / 1 USB Host Ver 2.0 | | | | | |
| | SD | N/A | | | | | |
| | COM1 | RS-232 (supports hardware flow control) ^{*2} | | | | | |
| Serial COM Port | COM2 | RS-232 (supports hardware flow control) / RS-485 ^{*2} | | | | | |
| | СОМЗ | RS-422 / RS-485 ^{*2} | | | | | |
| | RTC | Built-in | | | | | |
| | Cooling | Nature air circulation | | | | | |
| | Certification | CE / UL (please equip shielding cables and linefilters with capacity of 300ohm/100MHz) | | | | | |
| | Waterproof | IP65 / NEMA4 / UL Type 4X (indoor use only) | | | | | |
| | Operation Voltage ^{*3} | DC +24V (-15% ~ +15%)(please equip isolated-type power supplies) Supplied by Class 2 or SELV circuit (isolated from MAINS by double insulation) | | | | | |
| | Voltage Endurance | A500V for 1 minute (between charging DC24 terminal and FG terminals) | | | | | |
| P | ower Consumption ⁵⁵ | Max. 6.86 W ^{*3} | Max. 8.5 W *3 | Max. 10.4 W *3 | Max. 8W ^{*3} | | |
| | Backup Battery | 3V lithium battery CR2032 × 1 | | | | | |
| | Backup Battery Life | Depends on the temperature used and the conditions of usage, usually about 3 years or more at 25 $^\circ$ C | | | | | |
| 0 | peration Temperature | 0°C ~ 50°C | | | | | |
| Storage Temperature | | -20 °C ~ 60 °C | | | | | |
| Ambient Humidity | | 10% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2 | | | | | |
| Vibration | | IEC 61131-2 compliant 5Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1.0g | | | | | |
| | Shock | IEC 60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times | | | | | |
| Dime | nsions (W) x (H) x (D) mm | 184 x 144 x 50 | 215 x 161 x 61.2 | 272 x 200 x 61 | 229 x 224 x 46.8 | | |
| Mounti | ng dimension (W) x (H) mm | 172.4 x 132.4 | 196.9 x 142.9 | 261.3 x 189.3 | 285.2 x 210.2 | | |
| | Weight | 670g | 970 g | 1330g | 1735g | | |
| | | | | | | | |

1) The half-life of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMI.6

a) Some models are in the process of application for UL and KCC certification. For more information, please consult our distributors.
b) The value of the power consumption indicates the electrical power consumed by the HMI with no peripheral devices connected.
c) The content of this catalogue may be revised without prior notice. Please consult our distributors or download the most updated version at http://www.deltaww.com

Standard HMI

| | | Standard Ethernet Type (2 COM) | | | | |
|-----------------------|--------------------------------|---|---------------------------|--|--|--|
| Model | | DOP-107EG DOP-107EV | | | | |
| | Display | 7" TFT LCD | 7" TFT LCD | | | |
| | Color | 65,536 | | | | |
| LCD Module | Resolution (Pixels) | 800 x 600 | 800 x 480 | | | |
| | Back Light | LED Back Light | | | | |
| | Back Light Brightness (cd/m²) | 450 400 | | | | |
| | Back Light Life (Hour) *1 | 20000 | 20000 | | | |
| | Display Area | 141 X 105.75 mm | 154.08 X 85.92 mm | | | |
| | MCU | ARM Cortex-A8 (800MHz) | | | | |
| | Flash ROM (Bytes) | 256 N | | | | |
| | RAM (Bytes) | 256 N | • | | | |
| | Touch Panel | Four-wire resistor, over > | - | | | |
| And | Buzzer | Multi-Tone Frequency | | | | |
| Audio Output | AUX | Stereo output | N/A | | | |
| | Ethernet Interface | 1 Port ^{*2} , 10/100 Mbps auto-sensing | | | | |
| | USB | 1 USB Slave Ver 2.0; 1 USB Host Ver 2.0 | | | | |
| | SD | SDx1 | N/A | | | |
| | COM1 | RS-232 (supports hardware flow control) ² | | | | |
| Serial | COM2 | RS-232 (supports hardware flow control) / RS-485 *2 | | | | |
| COM Port | COM3 | RS-422 / RS-485 ^{°2} | | | | |
| | RTC | Built-in | | | | |
| | Cooling | Natural air circulation | | | | |
| | Certification | CE / UL (please equip Shielding cables and linefilters with capacity of 300ohm/100MHz) | | | | |
| | Waterproof | | | | | |
| | | IP65 / NEMA4 / UL Type 4X (indoor use only) DC +24V (-15% ~ +15%)(please equip isolated-type power supplies) | | | | |
| | Operation Voltage *3 | Supplied by Class 2 or SELV circuit (isolated from MAINS by double insulation) | | | | |
| | Voltage Endurance | A500V for 1 minute (between chargi | | | | |
| P | ower Consumption ^{*₅} | Max. 8.4 W ^{*3} | Max. 8.76 W ^{*3} | | | |
| | Backup Battery | 3V lithium battery CR2032 × 1 | | | | |
| | Backup Battery Life | Depends on the temperature used and the conditions of usage, usually about 3 years or more at 25° C | | | | |
| Operating Temperature | | 0°C ~ 50°C | | | | |
| Storage Temperature | | -20 °C ~ 60 °C | | | | |
| Ambient Humidity | | 10% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2 | | | | |
| | Vibration | IEC 61131-2 compliant 5Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1.0g | | | | |
| | Shock | IEC 60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times | | | | |
| Dime | nsions (W) x (H) x (D) mm | 184 x 144 x 51.5 | 215 x 161 x 61.2 | | | |
| Mounti | ng dimension (W) x (H) mm | 172.4 x 132.4 | 196.9 x 142.9 | | | |
| | Weight | 800 g | 970g | | | |
| The helf of | | | | | | |

The half-life of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMI.
 Built-in power isolation
 An isolated power supply is recommended.
 Some models are in the process of application for UL and KCC certification. For more information, please consult our distributors.
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Hardware Specifications

Standard HMI

| Model | | Standard Ethernet Type (3 COM) | | | | | |
|---------------------|--|---|-------------------------------------|---------------------------|-----------------------------------|--|--|
| | | DOP-107IV DOP-108IG DOP-110IS DOP-110IS | | | | | |
| | Display | 7" TFT LCD 8" TFT LCD 10.1" TFT LCD 10.4" TFT | | | | | |
| | Color | 65,536 | | | | | |
| LCD Module | Resolution (Pixels) | 800 x 480 800 x 600 1024 x 600 800 x 600 | | | | | |
| | Back Light | LED Back Light | | | | | |
| | Back Light Brightness (cd/m ²) | 400 250 300 300 | | | | | |
| | Back Light Life (Hour) *1 | 20000 | | | | | |
| | Display Area | 152.4 x 91.44 mm | 162 x 121.5 mm | 226 x 128.7 mm | 211.2 x 158.4 mr | | |
| | MCU | | ARM Cortex- | A8 (800MHz) | | | |
| | Flash ROM (Bytes) | | 256 N | lbytes | | | |
| | RAM (Bytes) | | 256 N | lbytes | | | |
| | Touch Panel | | Four-wire resistor, over > | 10,000,000 pressing times | | | |
| Audio | Buzzer | | Multi-Tone Frequency | y (2K ~ 4K Hz) / 80dB | | | |
| Output | AUX | N/A Stereo output | | | | | |
| | Ethernet Interface | 1 Port ^{*2} , 10/100 Mbps auto-sensing | | | | | |
| | USB | 1 USB Slave Ver 2.0 / 1 USB Host Ver 2.0 | | | | | |
| | SD | SD x 1 | | | | | |
| | COM1 | RS-232 (supports hardware flow control) ² | | | | | |
| Serial COM Port | COM2 | RS-232 (supports hardware flow control) / RS-485 ² | | | | | |
| | COM3 | RS-232 (supports hardware flow control) / RS-422 / RS-485 ^{°2} | | | | | |
| | RTC | Built-in | | | | | |
| | Cooling | Nature air circulation | | | | | |
| | Certification | CE / UL (please equip shielding cables and linefilters with capacity of 300ohm/100MHz) | | | | | |
| | Waterproof | IP65 / NEMA4 / UL Type 4X (indoor use only) | | | | | |
| | Operation Voltage *3 | DC +24V (-15% ~ +15%)(please equip isolated-type power supplies) | | | | | |
| | Voltage Endurance | Supplied by Class 2 or SELV circuit (isolated from MAINS by double insulation) A500V for 1 minute (between charging DC24 terminal and FG terminals) | | | | | |
| F | Power Consumption *5 | Max. 12W *3 | Max. 9.88 W *3 | Max. 9.6W ^{*3} | Max. 9.6W ^{*3} | | |
| • | Backup Battery | 3V lithium battery CR2032 × 1 | | | | | |
| | Backup Battery Life | Depends on the temperature used and the conditions of usage, usually about 3 years or more at 25° C | | | | | |
| 0 | peration Temperature | Depends on the temperature used and the conditions of usage, usually about 3 years of more at 25 $$ C 0° C ~ 50 $^{\circ}$ C | | | | | |
| | | -20°C ~ 60°C | | | | | |
| Storage Temperature | | 10% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2 | | | | | |
| Ambient Humidity | | IU% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2 IEC 61131-2 compliant 5Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1.0g | | | | | |
| | Vibration Shock | | | | | | |
| Dimo | nsions (W) x (H) x (D) mm | IEC 60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times 215 x 161 x 61.2 227.1 x 174.1 x 61 272.6 x 200.6 x 54 299 x 224 x 46. | | | | | |
| | ng dimension (W) x (H) mm | 196.9 x 142.9 | 227.1 x 174.1 x 61 219.4 x 166.5 | 261.3 x 189.3 | 299 x 224 x 46.8 285.2 x 210.2 | | |
| wounti | | 970g | 1226 g | 1130 g | 265.2 X 210.2 | | |
| Weight | | 5109 | 12209 | 1130 y | Tuung | | |

1) The half-life of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMI.6

a) The nation of a backing its defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMLO
b) Built-in power isolation
a) An isolated power supply is recommended.
b) Some models are in the process of application for UL and KCC certification. For more information, please consult our distributors.
b) The value of the power consumption indicates the electrical power consumed by the HMI with no peripheral devices connected.
c) The content of this catalogue may be revised without prior notice. Please consult our distributors or download the most updated version at http://www.deltaww.com

Basic HMI

| Model | | Basic | Basic Ethernet Type | | | | |
|---------------------------------|--|--|--|----------------------------------|--|--|--|
| | | DOP-103BQ | DOP-107BV | DOP-107DV | | | |
| | Display | 4.3" TFT LCD | 7" TFT LCD | 7" TFT LCD | | | |
| LCD Module | Color | | 65,536 | I | | | |
| | Resolution (Pixels) | 480 x 272 | 800 x 480 | 800 x 400 | | | |
| | Back Light | LED Back Light | | | | | |
| | Back Light Brightness (cd/m ²) | 400 | | | | | |
| | Back Light Life (Hour) ^{*1} | 20000 | | | | | |
| | Display Area | 95.04 x 53.856 mm | 154.08 x 85.92 mm | 154.08 x 85.92 mm | | | |
| | MCU | | ARM Cortex-A8 (800MHz) | | | | |
| | Flash ROM (Bytes) | | 256 Mbytes | | | | |
| | RAM (Bytes) | | 256 Mbytes | | | | |
| | Touch Panel | Four-w | rire resistor, over > 10,000,000 pressin | g times | | | |
| Audio | Buzzer | М | ulti-Tone Frequency (2K ~ 4K Hz) / 800 | dΒ | | | |
| Output | AUX | N/A | | | | | |
| | Ethernet Interface | N/A | N/A | 1 Port, 10/100 Mbps auto-sensing | | | |
| | USB | 1 USB Slave Ver 2.0 / 1 USB Host Ver 2.0 | | | | | |
| SD | | N/A | | | | | |
| | COM1 | RS-232/RS-485 (supports hardware flow control) ^{*2} | | | | | |
| Serial COM Port | COM2 | RS-422 / RS-485 ⁻² | | | | | |
| | COM3 | N/A | | | | | |
| | RTC | Built-in | | | | | |
| | Cooling | Nature air circulation | | | | | |
| | Certification | CE / UL (please equip shielding cables and linefilters with capacity of 300ohm/100MHz) | | | | | |
| | Waterproof | IP65 / NEMA4 / UL Type 4X (indoor use only) | | | | | |
| | Operation Voltage ^{*3} | DC +24V (-15% ~ +15%)(please equip isolated-type power supplies) Supplied by Class 2 or SELV circuit (isolated from MAINS by double insulation) | | | | | |
| | Voltage Endurance | A500V for 1 minute (between charging DC24 terminal and FG terminals) | | | | | |
| P | Power Consumption ^{⁵⁵} | Max. 5.67W *3 | Max. 8.6 W *3 | Max. 8.8W *3 | | | |
| | Backup Battery | 3V lithium battery CR2032 × 1 | | | | | |
| | Backup Battery Life | Depends on the temperature us | ed and the conditions of usage, usually | y about 3 years or more at 25° C | | | |
| 0 | peration Temperature | 0°C ~ 50°C | | | | | |
| Storage Temperature | | -20 °C ~ 60 °C | | | | | |
| | Ambient Humidity | 10% ~ 90% RH (0 ~ 40° C), 10% ~ 55% RH (41 ~ 50° C), Pollution Degree 2 | | | | | |
| | Vibration | IEC 61131-2 compliant 5Hz ~ 8.3Hz = Continuous: 3.5mm, 8.3Hz ~ 150Hz = Continuous: 1.0g | | | | | |
| | Shock | IEC 60068-2-27 compliant 15g peak for 11ms duration, X, Y, Z, directions for 6 times | | | | | |
| Dime | nsions (W) x (H) x (D) mm | 137 x 103 x 37.1 | 215 x 161 x 35.5 | 215 x 161 x 35.5 | | | |
| Mounting dimension (W) x (H) mm | | 118.8 x 92.8 | 196 x 142.9 | 196 x 142.9 | | | |
| mount | | | | | | | |

1) The half-life of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HMI.6

(1) The national of a backlight is defined as the original luminance being reduced by 50% when the maximum driving current is supplied to an HML6
 (2) Built-in power isolation
 (3) An isolated power supply is recommended.
 (4) Some models are in the process of application for UL and KCC certification. For more information, please consult our distributors.
 (5) The value of the power consumption indicates the electrical power consumed by the HMI with no peripheral devices connected.
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Model Description





















