



■ Canvas Designer Software

- MQTT (SparkPlug), OPC UA, EtherNet/IP, Modbus, Siemens S7 Protocol, and more
- 21 CFR Part 11 FDA compliance
- PDF viewer
- SMTP Email Service

■ Approvals

- **UL:** UL61010-1 / UL61010-2-201 (E231117)
- **CE:** Electromagnetic Compatibility Directive 2014/30/EU (EMC)
- **FCC:** The 47 CFR, Part2, Part15 and Part 18 of FCC Requirement
- **KC:** Registration of Broadcasting and Communication Equipments
- **Protection Class:** IP65 (front), NEMA 4X, 12, 13



LCD Size	12 inch Wide TFT Color
Colors	16.2M colors
Resolution	1024 × 768
Backlight	LED
Luminance	700 cd/m ²
Backlight Life	50,000 hours
Touch Panel	4 Wire Resistive
Memory	1 GB DDR3
Storage	8 GB eMMC
SD Card	1 SD slot
COM1	RS-422/485
COM2/COM3	RS-232
Ethernet	Gigabit (RJ45), 2 ports
USB Host	2 ports
Tool Port	1 USB mini-B
Audio	1 port
Front Bezel	Aluminum
Rated Voltage	-D: DC24 V (Class 2)
Power Consumption	12W (MAX: 25.5W)
OS	Embedded Linux
Weight	3.3 kg (7.3 lbs)
Dimension	330 × 250 × 83 mm (12.99 × 9.84 × 3.27 in)
Panel Cut	319 × 239 mm (12.56 × 9.41 in)
Operating Temperature	0°C – 65°C (32°F – 149°F)
Storage Temperature	-20°C – 65°C (-4°F – 149°F)
Operating Humidity	10–90% RH (below 29°C/84.2°F, not condensed)
Storage Humidity	10–90% RH (below 39°C/102.2°F, not condensed)
Environment Condition	800 hPa–1114 hPa (2000 m/6,500 ft or less)
Dust	≤ 0.1mg/m ³ (No conductive dust allowed)
Pollution Degree	≤ Pollution Degree 2
Operating Ambience	No corrosive gas or dust
Noise Resistance	Impulse, EFT/Burst, Surge, ±2 kV, 1 us
Static Discharge Resistance	4 kV (Contact Discharge), 8 kV (Air Discharge) (IEC 61000-4-2)
Concussion Resistance	JIS B 3502, IEC/EN 61131-2 compliant 147 m/s ² , X, Y, Z directions for ±3 times (Total 18 times)
Vibration Resistance	JIS B 3502, IEC/EN 61131-2 compliant 5–9 Hz Single amplitude: 3.5 mm 9–150 Hz Fixed acceleration: 9.8 m/s ² X, Y, Z directions for 10 cycles (approx. 100 min)