Data Sheet - Visual Panel 210

8002-0099/0000-0642

Technical Data	
LCD Size	10.1" (25 cm) Wide TFT Color
Colors	16.7M Colors
CPU	i.MX8MPlus Quad 1.6GHz
Architecture	ARMv8-A
Luminance	500 cd/m²
Viewing Angle	LRUD 89° Left / 89° Right / 89° Up / 89° Down
Backlight Life	>50,000 Hours
Contrast Ratio	800 : 1
Touch Panel	5 Wire Resistive
Resolution	1280 x 800 WXGA (16:10)
Effective Display Area	216.96 (H) x 135.60 (V) mm
Touch Panel Accuracy	Active Area Length (X) ±2%, Width (Y) ±2%
Memory	2 GB LPDDR4
Storage	8 GB eMMC
SD Card Slot	µSD
Ethernet	10/100/1000 2 Ports
COM1	RS-422/485 (5-Pin TB)
COM2	RS-232C (DB9/DSUB 9 Pin)
USB Host	USB 2.0 Type A
Tool Port	USB Type C
Bezel Enclosure	Front & Rear: Aluminum
Weight	1.60 Kg
Rated Voltage	DC24V (Class 2)
Inrush Current	30 A maximum
Power Use	15W (Max 16 W)
Operating System	Embedded Linux
Audio Port	Line Out
Project Memory	250 MB
User Memory	4 GB
Real-Time Clock	Built-In

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Electronic buzzer	Built-In
Dimension	262.3 x 187.9 x 51.9 mm (10.3″ x 7.4″ x 2″)
Panel Cut	254 x 179 mm (10" x 7")
Operating Temp.	-20 °C to 70 °C
Storage Temp.	-25 °C to 75 °C
Operating Humidity	10–90% RH (Below 29 °C, Not Condensed)
Storage Humidity	10–90% RH (Below 39 °C, 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
Corrosion Immunity	No Corrosive Gas or Dust
Noise Protection	Impulse, EFT/Burst, Surge, ±2 kV, 1 µs
Electrostatic Discharge	4 kV (Contact Discharge), 8 kV (Air Discharge) (IEC 61000-4-2)
Shock Protection	JIS B 3502, IEC/EN 61131-2 Compliant 147 m/s², X, Y, Z Directions ±3 Times (Total 18 Times)
Vibration Protection	JIS B 3502, IEC/EN 61131-2 Compliant 5–9 Hz Single Amplitude: 3.5 mm 9–150 Hz Fixed Acceleration: 9.8 m/s² X, Y, Z Directions for 10 Cycles (Approx. 100 Min.)
WAGO Visual Designer	MQTT (SparkPlug), OPC UA, EtherNet/IP, Modbus, Multiple PLC Drivers; Landscape or Portrait Mode
Approvals	CE - UL [cUL] - UKCA
Protection Class	IP68 (front); NEMA 4x, 12 (Front)

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