# Data Sheet - Visual Panel 210WT

8002-0099/0000-0715

| 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** | 1,200 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 (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** | 20W (Max 21 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.** | -30 °C to +70 °C (Warranty)<br>-20 °C to +70 °C (UL) |
| **Storage Temp.** | -25 °C to +75 °C (UL) |
| **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),<br>8 kV (Air Discharge) (IEC 61000-4-2) |
| **Shock Protection** | JIS B 3502, IEC/EN 61131-2 Compliant<br>147 m/s², X, Y, Z Directions ±3 Times (Total 18 Times) |
| **Vibration Protection** | JIS B 3502, IEC/EN 61131-2 Compliant<br>5–9 Hz Single Amplitude: 3.5 mm<br>9–150 Hz Fixed Acceleration: 9.8 m/s²<br>X, Y, Z Directions for 10 Cycles (Approx. 100 Min.) |
| **WAGO Visual Designer** | MQTT (SparkPlug), OPC UA,<br>EtherNet/IP, Modbus, Multiple PLC Drivers;<br>Landscape or Portrait Mode |
| **Approvals** | CE - UL [cUL] - UKCA |
| **Protection Class** | IP68 (front); NEMA 4x, 12 (Front) |

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