

Product Specification

The Following are general specifications at the Module.

| LCD Module | |
|--|--|
| Item | Specification |
| LCD size | 10.1 TFT LCD |
| Resolution | 1920 x 1200 |
| Backlight | LED |
| View Angle | +/-80°(H) x +/-80° (V) |
| Luminance | 700 cd/m2 (After Bonding) |
| Contrast Ratio | 900:1 |
| Aspect Ration | 16.10 |
| Response Time | 30 ms |
| Number of colors | 16.7M (True 8 bit) |
| Active Area | 216.8064 (H) X 135.504 (V) mm |
| Pixel Pitch | 0.03764 (H) x 0.11292 (V) |
| LED Life | 50K |
| Weight | 310 gms |
| Overall Dimensions (L*W*D) (Touch Panel + EMI Mesh + LCM) | 254.96 X 174.60 X 7.20 (+/- 0.5 mm) (Approximately total thickness after bonding) |
| Power Consumption | 7.5 W (Approx) |

| Touch Screen | |
|---------------------|----------------------|
| Touch Type | Resistive Touch |
| Overall Dimension | 254.96 x 174.6 mm |
| Viewable Area | 218.61 mm x 135.6 mm |
| Active Area | 218.61 mm x 135.6 mm |

| Touch USB Converter | |
|----------------------------|-----------------------------------|
| Touch Type | 5-Wire Resistive Touch |
| Touch Driver | Support Windows, Linux, Mac, etc. |
| Touch Interface | USB |
| Size: | 75mm x 20mm |
| Cable Length | Approx. 1.8 Meter |

| Optical Bonding | |
|------------------------|---|
| LCD + Touch screen | Optical bonding with anti-glare |
| EMI Mesh | EMI Protective mesh with provision for 360 deg. Electrical grounding and 85% visibility. |

| Reliability & environment Specification | |
|--|---|
| Operating Temp. | -20°C to +60°C (at -20°C Slow response related to system definition) |
| Storage Temp. | -30°C to +70°C |
| EMI/EMC | EMI Protective Mesh with 360 electrical connectivity design to meet MIL-STD461E/F |
| Dust | Design to subject to JSS 55555, Test No.14 Duration 1 Hour |
| Humidity | Ta \geq 40°C ,95% RH, non-condensing |
| IP Rating | IP67 Front Bezel, IEC 60529, Current BOM does not include keypad & Speaker. IP67 is subjected to front panel |
| Altitude | Altitude above sea level 09144 M (30000 feet)(Note) |

Note: To work with mentioned certifications, this product has offered the potential to be designed in to gain such certification however it is still depending on the final design of the full unit to pass the test and validation of such certification.