

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	+/-85°(H) x +/-85° (V)
Luminance	700 cd/m2 (After Bonding)
Contrast Ratio	900:1
Aspect Ratio	16:10
Response Time	25 ms
Number of colors	16.7M (True 8 bit)
Active Area	216.58 (H) X 135.36 (V) mm
Pixel Pitch	0.1128 (H) x 0.1128 (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	8.58 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 +70°C (at -20°C Slow response related to system definition)
Storage Temp.	-30°C to +80°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 grain such certification however it is still depending on the final design of the full unit to pass the test and validation of such certification.