

10.1 Inch Resistive Touch LCD Module (Backlight-18V)

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>40°C ,95% RH, non-condensing
IP Rating	IP67 Front Bezel, IEC 60529, Current BOM does not include keypad. Ip67 is subjected to front panel
Altitude	Altitude above sea level 09144 M (30000 feet)(Note)