



Tianma/NL Product Line

NL192108AC18-01D - 15.6" Inch Display Module

With Integrated LED Driver

Wide Viewing Angle Technology

Wide Color Gamut

General Characteristics

Resolution	1920x1080 pixel
Display Mode	SFT
Surface	AG

Optical Characteristics

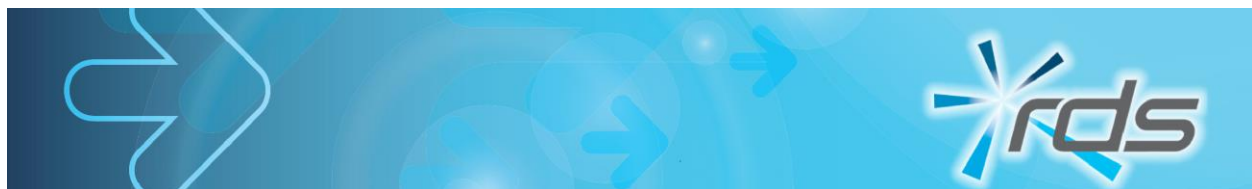
Viewing Angle (l,r,u,d)	88,88,88,88 °
Luminance	400 cd/m ²
Color Gamut (w.r.t. NTSC)	72%
Contrast Ratio	1000:1
Response Time	25 msec.
LED Lifetime	50 khrs

Electrical Characteristics

Interface	eDP
Power Consumption	13.9 W.

Mechanical & Environmental Characteristics

Operating Temperature	-20~70 °C.
Storage Temperature	-20~70 °C.
Width x Height	363.8 mm. x 215.9 mm.
Thickness	6.3 mm.
Weight	610 g.
Compliance	RoHS (2011/65/EU) UL 60950-1 certified.





Explanations

Surface Abbreviations:

AG: Anti Glare
AR: Anti Reflective
AFP: Anti Finger Print
bare: unprocessed Glass Surface

Interface Abbreviations:

LVDS: Low Voltage Differential Signaling Interface
CMOS: Parallel CMOS Interface
eDP: embedded Display Port Interface
SPI: additional serial control/initialization interface
MIPI: MIPI-DSI Interface
... 6b: 6 bit / color (RGB)
... 8b: 8 bit / color (RGB)
... 6b/8b: 6bit or 8 bit / color (RGB) selectable modes
For others and more, please consult the product datasheet.

Display Mode Abbreviations:

SFT: Wide Viewing Angle & Low Color Shift Technology ("like IPS") – Normal Black
TN: Twisted Nematic Technology – Normal White
ColorXCell: Integrated Color Enhancement Function
T-EVT: Transmissive Enhanced View Type Technology (High Brightness plus AR Surface)
R-EVT: Transflective Enhanced View Type Technology (Partially Reflective Pixel Cell)

Viewing Angle:

l/r/u/d : left / right / up / down direction, measured at grey level contrast ratio $\geq 10:1$

Color Gamut:

w.r.t. NTSC : with reference to the NTSC CIE 1931 color space

A full set of data sheets are available for this unit, including:

- Solid works 3D images
- LVDS Data cable pin outs.
- Detailed mechanical drawings.
- Detailed technical specifications.
- Compatible touch screens

RDS offer an optical or tape bonding service for touch panels as well as custom front cover designs. If you need further information or would like to discuss your project please contact RDS below.

[RDS Contact details](#)

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