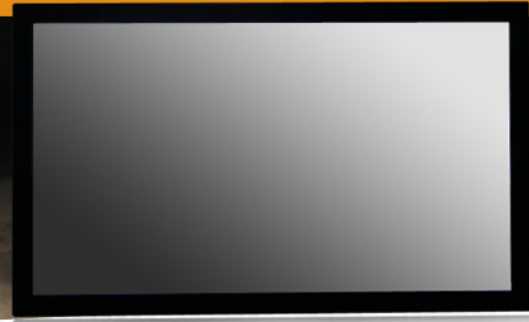


# RUGGED MILITARY

## Military Grade 21.5" TFT LCD Display Resistive Touch Screen

Aluminium front bezel with OSD at front 1920 x 1080 Resolution  
300nits brightness Military circular connector for LVDS cables.  
1 x 90~264V AC-DC power adapter Support panel mount and  
VESA wall mount Design to meet shock and vibration and  
MIL-STD-461F, Operating Temp -10 °C to 60 °C

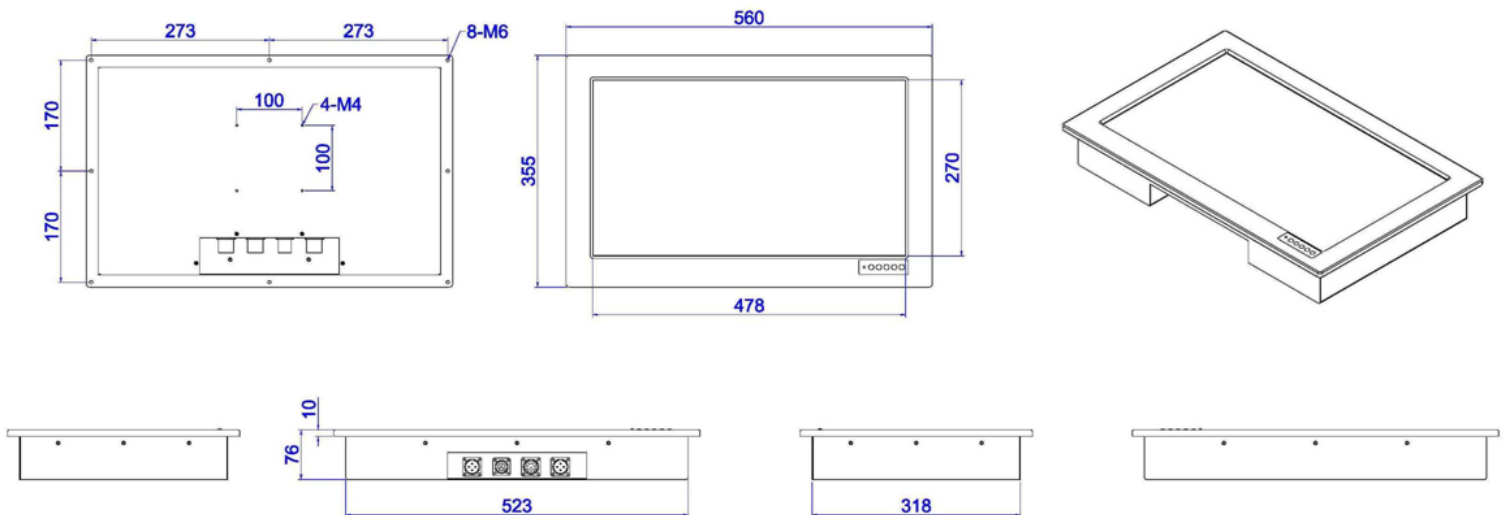


Model: **NPM2150TR**

### FEATURES:

- 21.5" TFT LCD Display
- Resistive touch screen
- 1920x 1080 resolution
- 300nits brightness
- Aluminum Front Bezel with OSD at Front
- Operating Temp -10 °C to 60 °C

### MECHANICAL:



## SPECIFICATIONS:

<b>LCD Display</b>	
<b>Size</b>	21.5" Active Matrix TFT LCD
<b>Resolution</b>	1920 x 1080 Full HD resolution
<b>Aspect Ratio</b>	16 : 9
<b>Brightness</b>	300 cd/m2
<b>Operating Temp</b>	0 up to +50°C
<b>Response Time</b>	3.5ms
<b>View Angle</b>	170 (L/R) / 170 (U/D) degree
<b>Contrast Ratio</b>	1000 : 1
<b>Protective Glass</b>	
<b>Protective Glass</b>	21.5" harden treatment protective glass
<b>Thickness of Glass</b>	4mm or above
<b>I/O Interface</b>	
<b>VGA Connector</b>	DTL-38999 VGA male, female, cap, chain
<b>Power Connector</b>	DTL-38999 Power male, female, cap, chain
<b>Serial (RS232)</b>	DTL-38999 RS232 male, female, cap, chain
<b>Heater Connector</b>	Mil circular power, male, female, cap, chain
<b>Mechanical</b>	
<b>Front Bezel</b>	Solid Aluminum front bezel
<b>Construction</b>	Rugged AISI-316L stainless steel construction
<b>Standard Color</b>	Painted in black color
<b>Mounting Method</b>	
<b>Wall-Mount</b>	Support Panel Mount
<b>Panel Mount</b>	Support VESA mount
<b>Front Mount</b>	Support Rear Mount

<b>Dimensions and IP Rating</b>	
<b>Chassis Dimensions</b>	560 (W) x 355 (H) x 86 (D) mm
<b>Front Bezel</b>	8 mm solid aluminum front bezel
<b>IP Rating</b>	Support IP-65 rating whole enclosure
<b>Function Key &amp; OSD Button</b>	
<b>Function Keys</b>	5 Function control push buttons
<b>OSD Buttons</b>	Menu, Up, Down, Auto, On-Off
<b>Power Supply</b>	
<b>DC Power Source</b>	Military grade isolated DC power supply
<b>DC Input Range</b>	Support 9 ~ 32V DC wide input
<b>Isolated</b>	Isolated protected power supply
<b>Polarity Reverse</b>	Polarity reverse protected
<b>Power Consumption</b>	
<b>Power Consumption</b>	Total power consumption is around 25 watts
<b>Power Supply</b>	The AC power supply built in is 110 watts
<b>AC Voltage</b>	Around 0.5 Watts stand-by
<b>Heater Module</b>	
<b>Heater Module</b>	heater supports -30°C Heater auto cut-off
<b>Auto Cut-Off</b>	when reaches 16°C
<b>Auto Switch-On</b>	heater auto switch-on when below 5°C
<b>Environmental</b>	
<b>Operate Temperature</b>	Support -10°C to +60°C
<b>Storage Temperature</b>	Support -20°C ~ +60°C
<b>Humidity</b>	Support 95% at +40°C
<b>Shock</b>	20g, 11 msec, half sine wave, 3 axis
<b>Vibration</b>	5~33Hz, ±0.125mm constant displacement, 1 hour each axis
<b>Salt Fog &amp; Mould</b>	Material withstand salt fog and mould growth
<b>EMC / EMI</b>	Design as per MIL-STD-461F standard