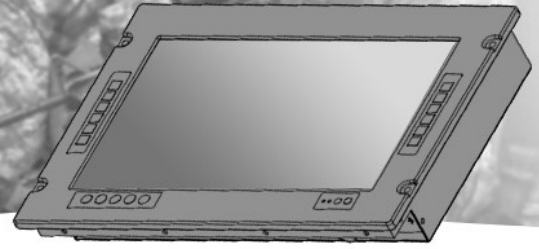


# RUGGED MILITARY GRADE PANEL PC

Rugged 15.6" PCAP Touch Panel PC, 12 Programmable Function Keys, Day Night Vision Buttons, Intel new 12th Gen. i7 10-Core 3.5~4.7GHz CPU, 16GB DDR4 3200 MHz RAM, 512GB M.2 NVMe SSD, 2 x 2.5Gb LAN 4x USB3.2, 2x HDMI, 1x RS232/422/485, DC9~36V, External AC100~264V Adapter



**Model: NmiIW1560PCAP-i7**

## SPECIFICATIONS:

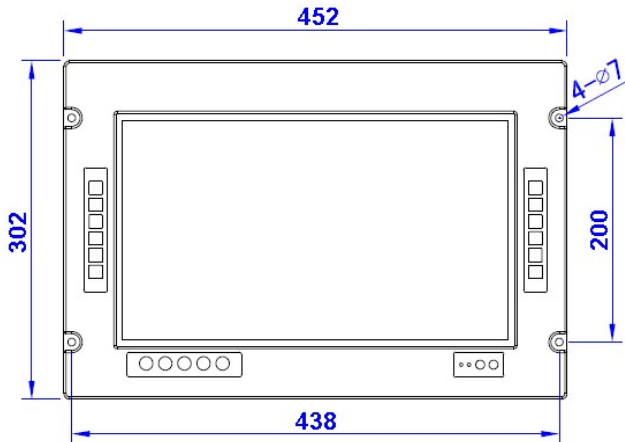
<b>Mechanical</b>	Front Bezel	Military grade aluminum alloy front bezel
	Chassis	Galvanized steel with anti-corrosion coating
	Treatment	Semi-gloss painting in black
<b>100% Fanless</b>	100% Fanless Design	Yes, 100% Fanless Design
	Cooling Method	Conductive Air Cooling through large heatsink module
<b>Mounting</b>	Front Mount	Front Mount
	VESA Mount	VESA-100 Wall Mount
<b>LCD Module</b>	LCD Size	15.6"
	LCD Grade	Military grade LCD
	Resolution	1920 x 1080 Full HD
	Brightness	450 cd/m2
	Contrast Ratio	1000 : 1
	No. of Color	16.7 M
<b>Touch</b>	View Angle	85° / 85 / 85 / 85°
	Touch Type	10-Point Projected Capacitive Touch
	Touch Interface	USB
<b>Computer System</b>	Scratch Free	Yes, scratch free
	Main Board	Military grade mother board
	Processor	Intel new 12th Gen. i7 10-Core 3.5~4.7GHz CPU
	Core / Thread	10 Core, 12 Threads
	Speed	3.5~4.7GHz
	Cache Memory	6MB smart cache
<b>Graphics</b>	Power Consumption	15W
	Graphics Engine	Intel Iris Xe graphics processor
	DirectX	12.1
	Open GL	4.6
	Open CL	3.0

*\*Specifications subject to change without notice, not responsible for typographical errors.*

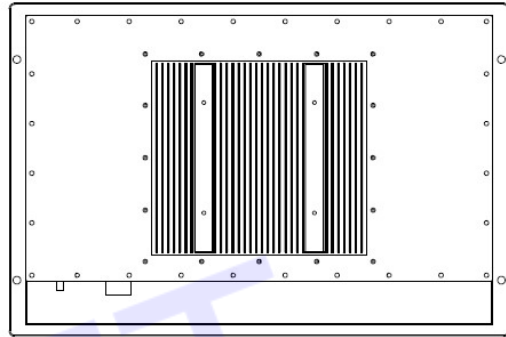
<b>System RAM</b>	RAM	16GB DDR4 3200MHz Ultra High Speed
	RAM Type	SO-DIMM
	Expansion	Expandable up to 64GB
<b>Storage</b>	SSD	512GB NVMe M.2 2280 Ultra Fast SSD
	SSD Type	M.2 2280 NVMe
	Expandable	1TB, 2TB ... etc.
<b>Speakers</b>	Speakers	Optional
<b>I/O Port</b>	LAN	2 x 2.5 Gb ultra high speed LAN
	USB	4 x USB3.2 ultra high speed
	HDMI	2 x HDMI
	Serial (COM)	1 x configurable RS232/422/485
	Audio	1 x Audio out
	Power Connector	1 x DC with Mil-D-38999 Mil. connector
<b>Prog. Function Keys</b>	Left Side Front	6 Fn Keys (F1 to F6)
	Right Side Front	6 Fn Keys (F7 to F12)
<b>Night-Day Vision</b>	N Button	Night vision : preset at 20 cd/m2
	- / + Buttons	Decrease or Increase brightness
	- / + Buttons	Decrease or Increase brightness
	On-Off	LCD Display On-Off
<b>Power Supply</b>	DC Power Input	DC9~36V wide input
	Power Supply	Mil. Grade power supply
	Polarity Reverse	Fully protected
	AC Power Input	External AC90~264V power adapter
	Power Consumption	33~38W
<b>Dimensions</b>	Exclude Front Bezel	452 (W) x 302 (H) x 72 (D) mm
	Include Front Bezel	452 (W) x 302 (H) x 82 (D) mm
<b>Environmental</b>	Operating Temperature	0 to +50 degree C
	Optional Oper. Temp.	Option : -20 to +70 degree C
	Storage Temperature	-30 to +90 degree C
	Humidity	5~95% R.H. at 35C, non-condensing
	Vibration	MIL-STD-810 compliant
	Shock	MIL-STD-810 compliant
<b>EMI / EMC</b>	CE	Approved
	FCC	Approved
	MIL-STD-461	Compliant (Test Cost is required if request MIL-STD-461 certificate)

# MECHANICAL DRAWINGS:

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



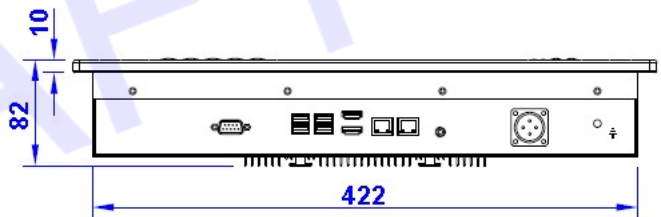
Front View



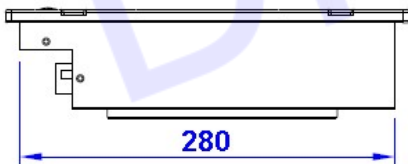
Rear View



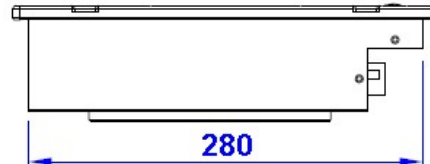
Top View



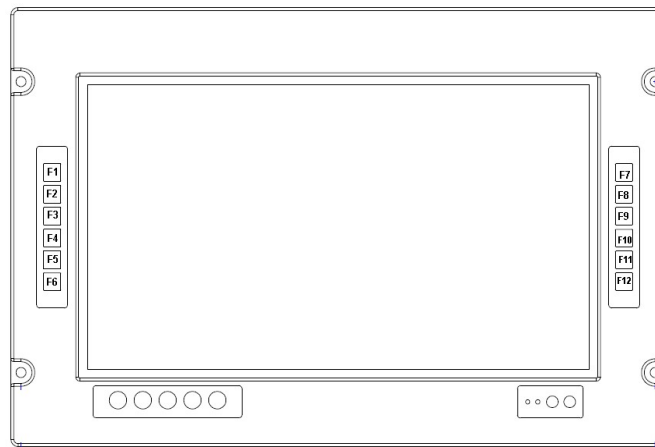
Bottom View



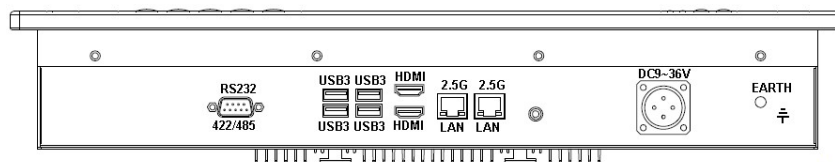
Side View 1



Side View 2



Function Keys and Buttons at Front



I/O Ports at Bottom

Drawing No.: NmilW1560TR-i7-04182024-V1