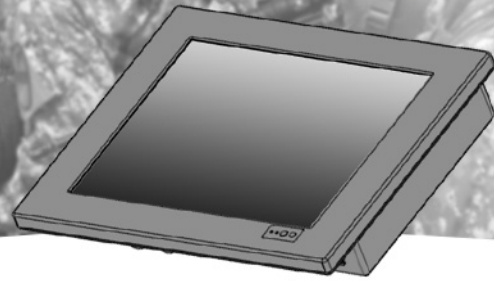


MILITARY RUGGED FULLY-SEALED IP67 TOUCH PANEL PC

17" LCD 19" 8U Rackmountable Rugged Fully-sealed IP67
 6061 T6 Aluminum alloy with Anti-Corrosion Treatment Touch
 Panel PC, Intel 8th Gen. i5 8265U, Intel UHD620, 16GB DDR4,
 500GB M.2 with Compliant to MIL-STD-810G
 Excludes O.S. & Mil. Test Cost



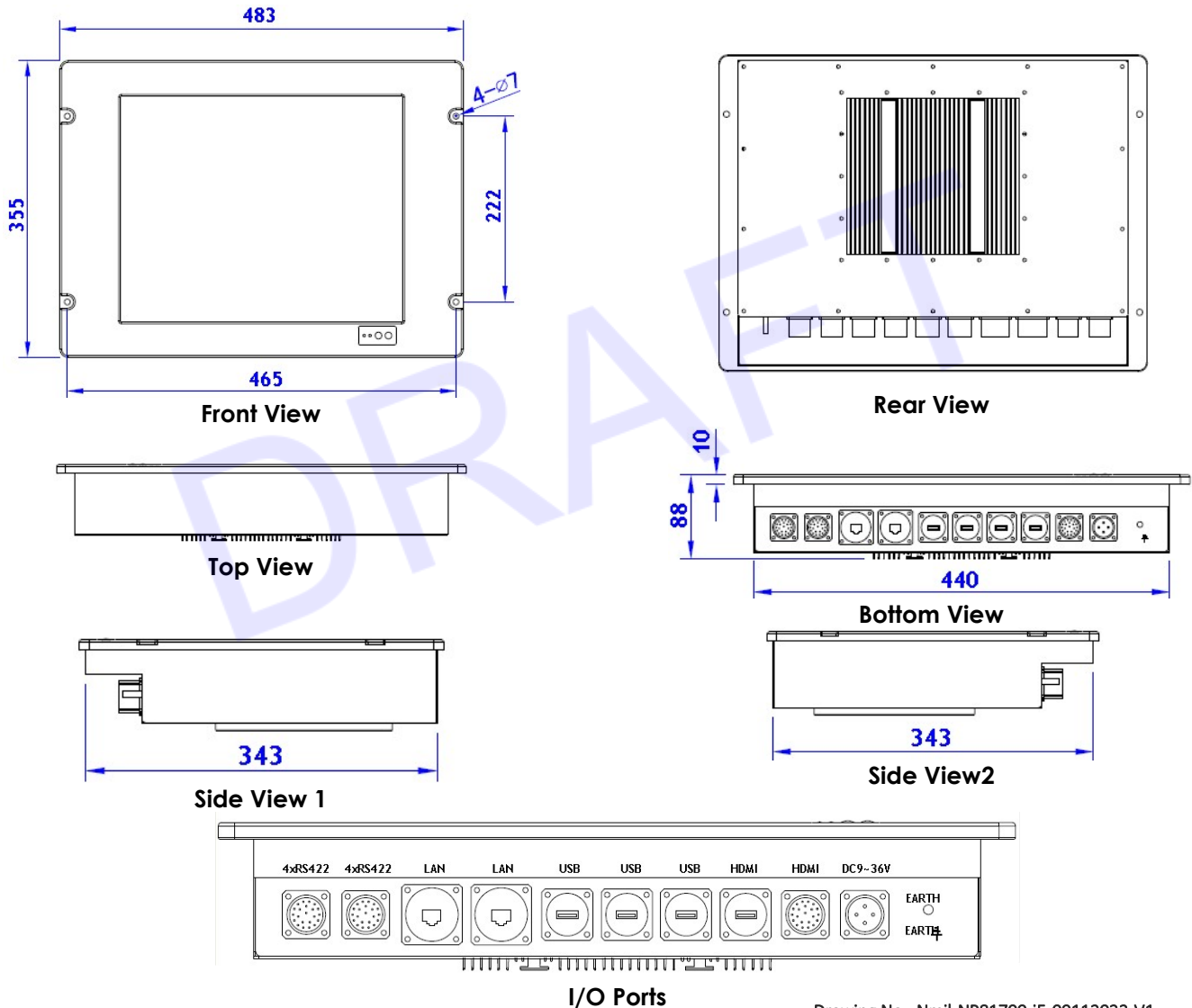
Model: Nmil-NP81700-i5

FEATURES:

- Mechanical Housing : IP-67 100% Fully-sealed 6061 T6 Aluminum alloy with anti-corrosion treatment
- Rack-Mount : 19" 8U Rackmountable
- Power Input : DC9~36V
- EMI Mesh : Yes
- LCD Size : 17"
- Brightness : 350 cd/m2
- Contrast Ratio : 800 : 1
- Processor : Intel 8th Gen. i5 8265U 1.9~3.9GHz fanless high-end processor
- Graphics : Intel UHD620
- RAM : 16GB DDR4 2400MHz SO-DIMM RAM
- Storage : 500GB M.2 2280 NVMe Super Fast SSD
- Power Input : DC9~36V
- Power Supply : Military isolated power supply
- Environmental : compliant to MIL-STD-810G

MECHANICAL DRAWINGS:

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



Drawing No.: Nmil-NP81700-i5-09112023-V1

Modified Date: 09-11-2023

SPECIFICATIONS:

Mechanical	Front Bezel	Military grade aluminum alloy 6061 T6
	Treatment	Chromate Anti-corrosion treatment
	Finish	Powder coating in semi-gloss black
	Chassis	Rugged galvanized steel with anti-corrosion treatment
	Fanless Design	100% fully-sealed fanless design
EMI Mesh	EMI Mesh	Yes, built in EMI mesh
Touch	Touch Technology	5W Resistive Touch
	Touch Device	Fingers, Gloves, Stylus pen
IP Rating	IP Rating	100% IP-65 rating
Mount	Front Mount	Yes, front mount
	VESA	Optional at your request
LCD Module	LCD Size	17"
	LCD Grade	Military grade LCD module
	Resolution	1280 x 1024
	Brightness	350 cd/m2
	Contrast Ratio	800 : 1
	Display Color	16.7 M
	View Angle	80° / 80° / 60° / 80°
Main Board	Mother-board Grade	Military grade mother-board
Processor	Generation	Intel 8 th Generation I5-8265U fanless processor
	CPU No./Speed	4-Core 1.9~3.9GHz high speed CPU
	Power Consumption	Average 15 W, Turbo 25W, Slow 10W
	Cache	4MB smart cache memory
Graphics	Graphics Engine	Intel UHD 620
	Direct X	12
	Open GL	4.5
System RAM	RAM	16GB DDR4 2400MHz SO-DIMM RAM
	Expansion	32GB
	RAM Type	DDR4 2400MHz SO-DIMM type
Storage	Storage Capacity	500GB M.2 SSD
	Interface	M.2 2280 NVMe ultra fast
I/O Port	Serial Port	8 x Isolated RS422 serial ports with IP68 D-38999 Mil. connector
	Ethernet	2 x Gb Ethernet with IP68 D-38999 Mil. Connector
	USB	4 x USB2.0 with IP-68 D-38999 Mil. Connectors
	HDMI	1 x HDMI with IP-68 D-38999 Mil. Connector
	DC	1 x DC with IP-68 D-38999 Mil. connector
Power Supply	Power Input	DC9~36V Wide Input
	Power Grade	Military grade power supply MIL-STD-1275D compliant
	Isolation	Fully isolated
	Polarity Reverse	Polarity Reverse fully protected
	Fuse	Automatically recovered
	Lightning Protected	Lightning protected
Power Consumption	Average	37 Watts
	Turbo Up	47 Watts
	Slow Down	29 W
Heater Module	Heater Module	Optional for your request
Dimensions	W x D x H	440 x 370 x 84
Weight	Weight	TBD
Operating System	Operating System	Windows 11, 10, Linux etc.
Environmental	Operating Temperature	0 to +50° C
	Storage Temperature	-30 to + 85° C
	Humidity	5~95% R.H.at 40C, non condensation
	Vibration	MIL-STD-810F compliant
	Shock	MIL-STD-810F compliant
	Salt Fog	MIL-STD-810F compliant
	Fungus	MIL-STD-810F compliant
EMI / EMC	CE	Approved
	FCC	Approved
	MIL-STD-461E	Military Test Cost is required

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