

RUGGED MILITARY LAPTOP

18.5" Full HD 1000nits Rugged Portable Panel PC with Keyboard,
Intel 10th Gen. i7-10700TE, 16GB DDR4, 2TB SATA-III SSD,
Aluminum alloy with Anti-Rust Coating
DVD-RW : 1 x DVD-RW
Disk Bay : 2 x SATA-III 2.5" Disk Bays, each bay with a key lock

Model: Nmil-W1850-i7-V2



SPECIFICATIONS:

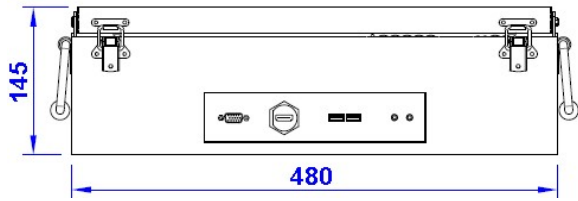
Mechanical	Chassis	Aluminum alloy with anti-corrosion treatment
	Color	Black, matt finish
	Design	Built-in Cooling Fans
	Foldable	Foldable and Portable
LCD Module	LCD Size	18.5" diagonal Active Matrix TFT LCD
	Backlight	LED
	Resolution	1920 x 1080 Full HD
	Luminance	350 cd/m2
	Contrast Ratio	1000 : 1
	Display Color	16.7 M
	Viewing Angle	89° / 89 / 89 / 89°
Touch	Touch Type	5-Wire Resistive Touch
	Touch Device	Fingers, Stylus Pen
	Touch Resolution	4096 x 4096
Keyboard with Touch-Pad	Keyboard	IP68 water-proof military grade QWERT Keyboard
	Keys and Backlight	124 keys with touch-pad, with LED backlights
	Keyboard Material	Long life silicon rubber
	Touch Pad	Built-in Touch Pad
	Interface	USB
		
Main Board	Main Board Grade	Server Mother Board
Processor	CPU	Intel 10 th Gen. i7-10700T 2.0~4.4GHz
	No. of Core / Thread	8-Core, 16-Threads
	Clock Speed	2.0 ~ 4.4GHz
	Cache Memory	16MB smart cache memory
	Power Consumption	35W average, 25W slow down
System RAM	RAM	16GB DDR4 3200MHz high performance RAM, Expandable : up to 64GB
	Memory Type	Desktop DIMM type
	Expandable	Up to 64GB
Storage	SSD	2TB SATA-III 2.5" SSD
	Interface	M.2 2280 Ultra Fast NVMe SSD
	Expansion	2TB, 4TB, 8TB etc.

Graphics	Graphics Engine	Intel UHD 630
	DirectX	12
	Open GL	4.5
I/O Port at Front	VGA	1 x VGA
	HDMI	1 x HDMI
	USB	2 x USB3.0 with standard ports
	Audio	1 x Line-out, 1 x Mic-in
I/O Port at Rear	J1	DC28V (DC16~30V) with D-38999 mil. Connector
	J2	2 x RS232/422/485 + 2 x LAN + 2 x USB) with D-38999 connector
	J3	1 x PCIe slot in J3 D-38999 128-pin Mil. connector
	J4	1 x PCIe slot in J3 D-38999 128-pin Mil. connector
	J5	1 x PCIe slot in J3 D-38999 128-pin Mil. connector
	J6	1 x PCIe slot in J3 D-38999 128-pin Mil. connector
Power Supply	Power Consumption	Around 60 Watts
	DC Power Input	DC 18~36V
	Total Power Capacity	420 Watts
Dimensions & Weight	Dimensions	400 (W) x 400 (D) x 145 (H) mm
	Weight	Estimated around 12 kgs
O.S.	Windows 11 Professional	

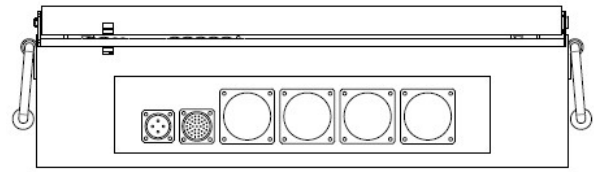
**Specifications subject to change without notice, not responsible for typographical errors.*

MECHANICAL DRAWINGS

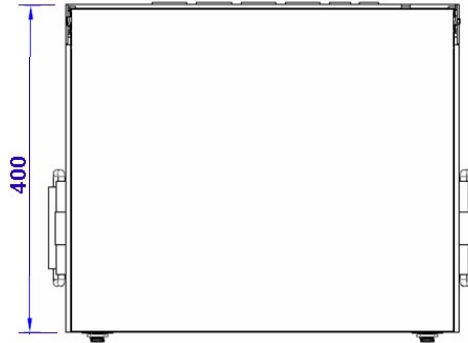
This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



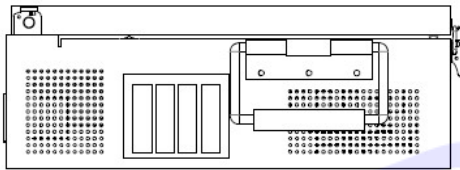
Front View



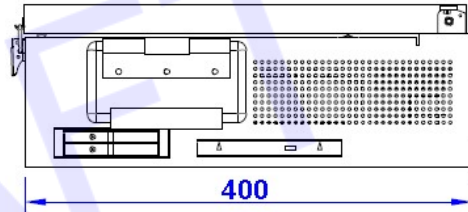
Rear View



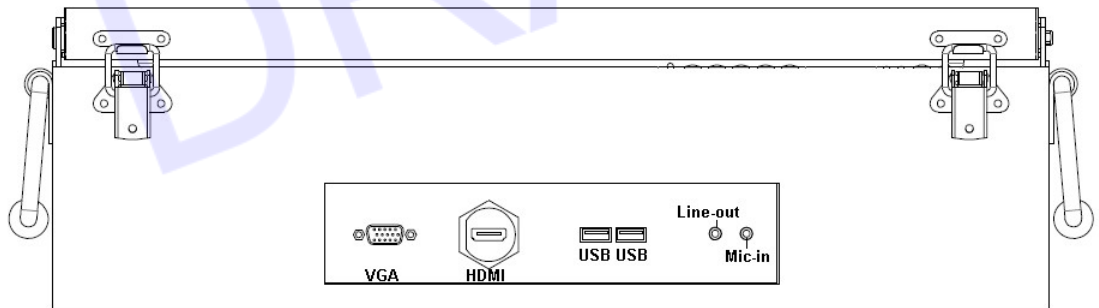
Top View



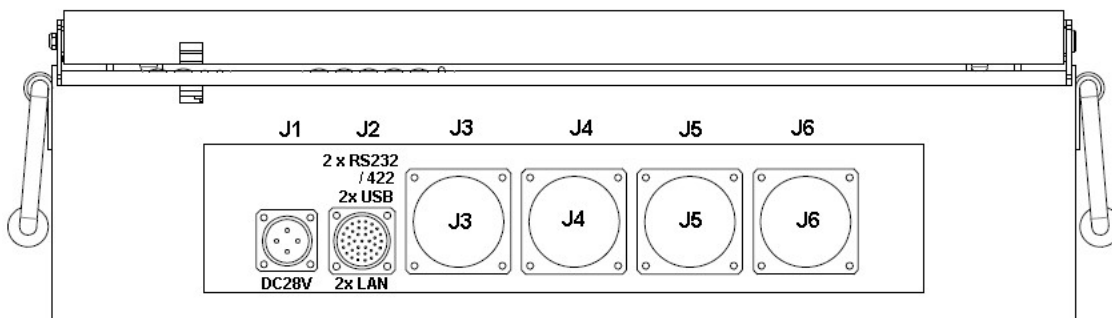
4 x free PCIe slots
Side View 1



2 x Disk Bays, 1 x DVD
Side View 2



I/O Ports at Front



I/O Ports at Rear

Drawing No.: Nmil-W1850-i7-V2-03272023-V1