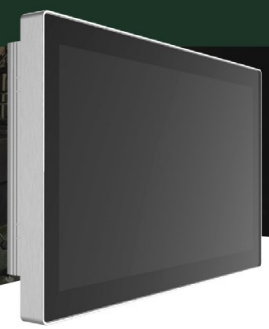
MILITARY PCAP PANEL PC

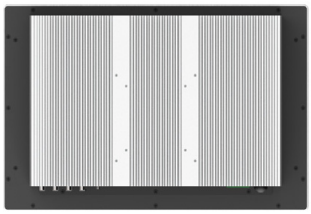
18.5" 1920x1080 Defence PCAP Panel PC, Intel Tigerlake-UP3 Core i3/i5 Processors, IP65 Aluminum Front Bezel, AG, Removable 2.5" HDD/SSD Tray DC 12~24V Wide Range Power Input, -40~70°C



MODEL: LMilW1800

FEATURES

- **Intel Tigerlake-UP3 Core i3/i5 Processors**
- **18.5" P-cap Flat Bezel**
- **1920x1080 FHD Resolution LCD**
- **MIL-STD EMC, Shock & Vibration**
- **Bezel-Free Design**
- **Fanless Design**
- **DC 12~24V Wide Range Power Input**
- **IP65 / 66 Front Panel**
- **Power Input by D38999 Connector**



SPECIFICATIONS

SYSTEM	
Processor	Intel TigerLake-UP3 Core i3/i5 Processors
System Memory	2 x DDR4 SO-DIMM, up to 64GB
External I/O Port	4 x USB 3.2 Gen2 Ports
	2 x RJ45 LAN (Intel I225-LM supports 2.5GbE LAN)
	1 x Display Port
	1 x HDMI
	4 x RS-232/422/485
	1 x Audio out
	1 x Power press button
	1 x D38999 Connector for Power Input
Storage	1 x 2.5" Storage Bay
	1 x M.2 M-key(NVME) 2280 Socket
Operating System	Windows 10 IoT Enterprise 2021 LTSC (64-bit, 21H2)
	Windows 11 IoT Enterprise (64-bit, 21H2, Pre-test)
	Linux Ubuntu 22.04 (64-bit, by request)
	Linux Yocto Project 3.1 (64-bit, by request)
Expansion	1 x M.2 B-key 2242/3042 (SATA 3.0, PCIe x1, USB 2.0)
	1 x M.2 E-key 2230 (PCIe x1, USB 2.0)

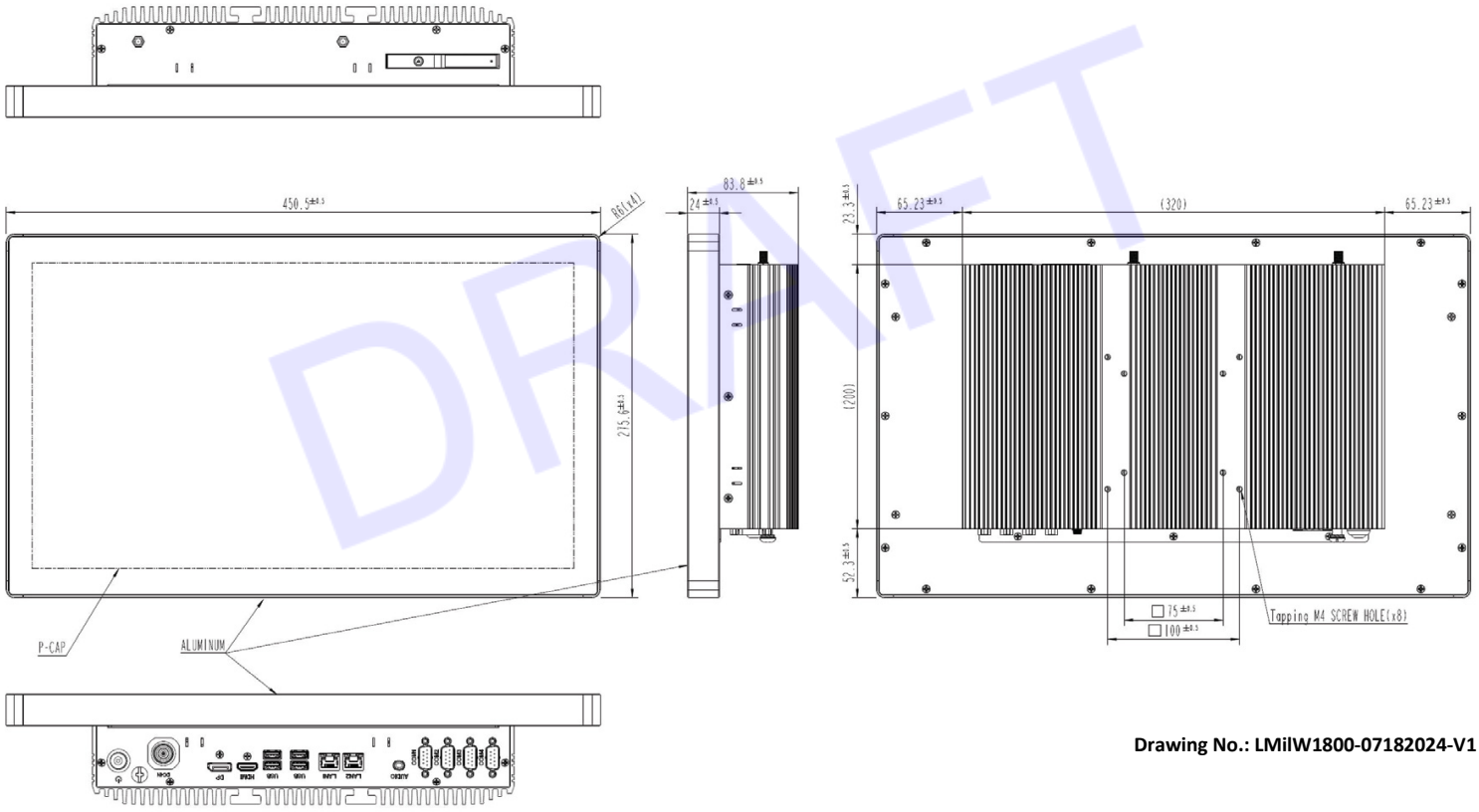
LCD	
Display Type	18.5" TFT LCD
Max. Resolution	1920*1080
Max. Color	16.7M
Luminance	350 nits
Contrast Ratio	1000 : 1
View Angle	89/89/89/89

POWER REQUIREMENT	
Power Input	DC 12~24V Wide Range Power Input with 19Vdc MIL-STD-461G Adapter

ENVIRONTMENT	
Mounting	VESA Mount 75 x 75 / 100 x 100 by M4 Screw Hole, Panel Mount
Certification	FCC / CE Class A Certification MIL-STD-461G CE101/CE102 Compliant
Operating Temp	-40~70 °C ' IEC-60068-2-1/2/14
Storage Temp	-40~70 °C
Humidity	10~90% @40 °C, non-condensing
Vibration & Shock	MIL-STD-810H, Method 514.8, Procedure I, 5~500Hz (Compliance) MIL-STD-810H, Method 516.8, Procedure I, 20g 11ms (Compliance)
Dimension	358.5 x 281.5 x 84 mm

MECHANICAL DRAWINGS

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



Drawing No.: LMilW1800-07182024-V1

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