W18IT3S-MLA3FP

18.5" Intel® Core™ i5-1135G7 Defence Console Rack Panel PC



KEY FEATURES

- Intel® Core™ i5-1135G7 2.4 GHz (turbo to 4.2GHz) Processor
- Anti-Corrosion Housing / Fanless
- Projective Touch
- Compliant with MIL-STD-810G, MIL-STD-461E/F/G
- Flush Rack / Rack Mount Mechanical Design (8U)
- Convenient On-Screen Display Controls
- AC 110~240 V Power input default
- Isolation DC 9~36 V Power input (Optional)
- Built-in Light Sensor for auto brightness control







OVERVIEW



Sleek Flush Rack / Rack Mount Mechanical Design

The 18" Defence Console Rack Panel PC boasts a sleek flush rack/rack mount mechanical design, occupying just 8U of space. This compact form factor is optimized for space-constrained environments, allowing for efficient use of limited rack space. Its robust construction and secure mounting system ensure stability during transportation and operation.



Convenient On-Screen Display Controls

Designed for user convenience, this panel PC comes equipped with on-screen display controls. Users can easily access and adjust various settings directly on the screen, eliminating the need for external peripherals. This intuitive interface enhances operational efficiency and streamlines user interaction, ultimately improving overall performance.



Electromagnetic Compatibility

Meeting the MIL-STD-461E/F standard, this panel PC ensures electromagnetic compatibility, effectively reducing electromagnetic interference and susceptibility. This feature is vital in scenarios where electronic equipment must coexist without hindering each other \$\pi\$39;s performance, guaranteeing reliable communication and data integrity.

SPECIFICATIONS

Display

Panel Brightness

Size

Security

Touch / Glass Projected Capacitive Multi Touch Screen

PCAP with With ITO Film (Optional)

18.5 inches

500.0 nits

Active Area 408.96x230.04 mm

Resolution

1920x1080

Contrast Ratio

1000:1

View Angles

89,89,89,89

System Specification

Processor Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)

Intel Core i5-1145G7 2.6GHz (up to 4.4GHz) (Optional)

Memory

1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional)

16GB (Optional) 32GB (Optional)

Storage 1 x M.2 M-Key 2242 SATA SSD or 1 x M.2 M-Key 2280 NVMe

128GB

TPM 20

256GB (Optional) 512GB (Optional)

1TB(for NVMe) (Optional) 2TB(for NVMe) (Optional) 4TB(for NVMe) (Optional)

1 x SATA III, up to 2TB (Optional)

Ethernet controller

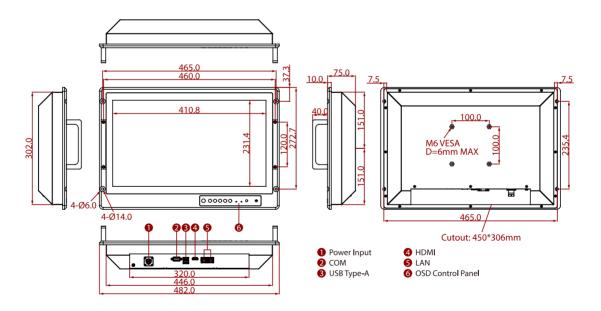
2 x Intel® Ethernet Controller

Operating System

Windows 11 IoT Enterprise SAC (64 bit) (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)

			Linux Ubuntu 22.04 (Optional)
Environment			
Operating Humidity	10% to 95% RH	Operating Temperature	-20°C~60°C
Storage Temperature	-30°C~70°C		
Compliance			
MIL-STD 461E/F/G	RE101 / RE102 CE101 / CE102 CS118 with EMI Glass / Touch(Optional) RS101 / RS 103 CS101 / CS 106 / CS 109 / CS 114 / CS 115 / CS 116	MIL-STD 810G/H	Vibration Method 514.6 Humidity Method 507.5 Transit Drop Method516.6
Certification			
Certification	CE, FCC		
Accessory			
Accessory	1 x Manual(Hardcopy) 1 x Driver CD 1 x Power Cord (MIL-DTL-38999/1)		
Mechanical			
Dimension	465 x 327 x 75 mm	Mounting	VESA mount Rack mount (Optional)
Enclosure	Metal Housing with Aluminum Bezel	Cooling System	Fanless Design
IO Ports			
USB Port	2 x USB 3.2 Gen 1	Serial Port	1 x RS232(Default)/422/485
Video	1 x HDMI 2.0 (Optional)	LAN	2 x RJ-45
Power			
Power Rating	AC 100~240V, Universal, ±10% DC 9~36V, ±10% (Optional)		
Control			
Button	8 Key OSD Control Pad: Power, Brightness DOWN, Brightness UP, Night, Day, Auto / Manual, Reset, Lock		

DIMENSIONS UNIT:MM



NOTE

- This is a simplified drawing and some components are not marked in detail.
 Please contact our sales representative if you need further product information.
 All specifications are subject to change without prior notice.
 The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.