

R19IT3S-MLA3-89

19" Intel® Core™ i7-1165G7 Defence Console Rack Panel PC



KEY FEATURES

- 19" SXGA TFT LCD
- Intel® Core i7-1165G7 2.8GHz (up to 4.7GHz) Processor
- Anti-Corrosion Housing / Fanless
- Compliant with MIL-STD-810G
- Flush Rack / Rack Mount Mechanical Design (9U)
- 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
- Defence Grade Power & Signal Connector (MILDTL38999/1 & 38999/3)

INTRODUCTION

The Winmate Defence Console Rack Panel PC Series is a reliable option. It is designed for critical tasks. This series is suitable for defense and industrial environments. These systems come in sizes from 15" to 32". They have Intel® processors, fanless anti-corrosion housing, and touch screens for easy use. With MIL-STD-810G/F and MIL-STD-461E/F/G compliance, they ensure reliability in extreme conditions. The 8U rack-mount design has on-screen display controls. It also offers an optional isolation DC power input. This versatility makes it great for command centers, control rooms, and tough field deployments.

SPECIFICATIONS

Display

Resolution	1280x1024	Size	19.0 inches
Contrast Ratio	1000:1	Panel Brightness	350.0 nits
View Angles	85,85,80,80	Active Area	376.32x301.06 mm
Touch / Glass	AR Protection Glass 5 Wires Resistive Touch (Optional) 5 Wire Resistive with EMI Mesh Filter (Optional) EMI Glass (Optional)		

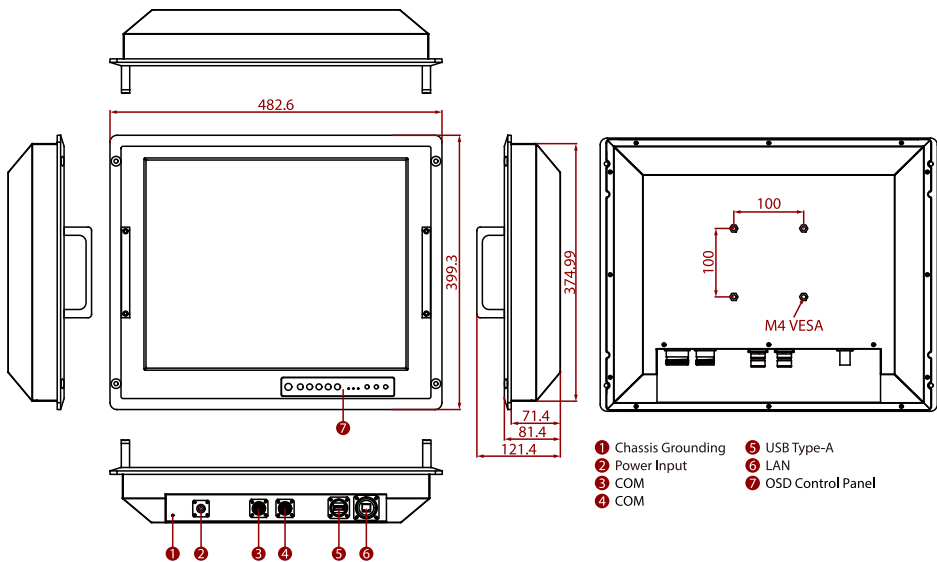
System Specification

Processor	Intel Core i7-1165G7 2.8GHz (up to 4.7GHz)	Memory	1 x SO-DIMM, DDR4 2400 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 M-Key 2280 NVMe SSD, 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	Ethernet controller	2 x 2.5 Giga LAN RJ45 Connector
Operating System	*Note: Only Windows 11 support Wake on touch Windows 11 IoT Enterprise (64 bit) Windows 11 Pro 64 bit (Optional)		

Windows 10 IoT Enterprise (64 bit) (Optional)

Environment			
Operating Humidity	10% to 95% RH	Operating Temperature	0~50℃
Storage Temperature	-10℃~60℃	Vibration	USA: MIL-STD-810H Method 514.8 – Procedure I NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 401–Procedure I (optional)
Drop	USA: MILSTD810H Method 516.8 NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 404–Procedure II (Optional)	TEMPEST	USA: NSA NSTISSAM TEMPEST/1-92 (optional) NATO: NATO SDIP-27 (optional)
Compliance			
MIL-STD 461G	USA: MIL-STD-461G: CE101, CE102, RE101, RE102, CS118 (default) CS101, CS114, CS115, CS116, RS101, RS103 (optional) NATO: STANAG 4370/AECTP-501: NCE01, NCE02, NRE01, NRE02, NCS12 (default) NCS01, NCS07, NCS08, NCS09, NRS01, NRS02 (optional)	MIL-STD 810H	USA: MIL-STD-810H (default): Vibration Method 514.6 Humidity Method 507.6 Transit Drop Method516.6 NATO (optional): Vibration Test STANAG 4370/AECTP-401 Shock STANAG 4370/AECTP-402 Procedure I Drop and Topple Test STANAG 4370/AECTP-404
Certification			
Certification	CE, FCC		
IO Ports			
USB Port	1 x USB 2.0 A Type (MIL-DTL-38999/3)	Serial Port	2 x RS232 (MILDTL38999/3)
LAN	1 x LAN (MIL-DTL-38999/3)		
Mechanical			
Dimension	482.6 x 399.3 x 81.4 mm	Mounting	VESA mount Rack mount (Optional)
Enclosure	Metal Housing with Aluminum Bezel	Cooling System	Fanless Design
Accessory			
Accessory	1 x Manual(Hardcopy) 1 x Driver CD 1 x Power Cord (MIL-DTL-38999/1)		
Power			
Power Rating	AC 100~240V, Universal, ±10% DC 9~36V, ±10% (Optional)		
Control			
Button	6 Key OSD Control Pad: Power/ Brightness DOWN, Brightness UP/ Night, Day/ Exit, Auto/ Menu		

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. 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.