

# R17IH3S-MLA1-89

17inch Defence Console Rack Panel PC with Intel® Core™ i7-4650U



## KEY FEATURES

- 17" SXGA TFT LCD, Defence Console Rack Panel PC
- Intel® Core™ i7-4650U 3.30 GHz Processor
- Anti-Corrosion Housing / Fanless
- Compliant with MIL-STD-810G/F
- 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
- Defence Grade Power & Signal Connector (MILDTL38999/1 & 38999/3)

## INTRODUCTION

Winmate Defence Console Rack Panel PC Series is a robust solution designed for mission-critical applications in defense and industrial environments. Available in sizes from 15" to 32", these systems feature Intel® processors, fanless anti-corrosion housing, and projective touch screens for seamless operation. With MIL-STD-810G/F and MIL-STD-461E/F/G compliance, they ensure reliability in extreme conditions. The rack-mount (8U) design, on-screen display controls, and optional isolation DC power input provide versatility, making them ideal for command centers, control rooms, and rugged field deployments.

## SPECIFICATIONS

### Display

<b>Resolution</b>	1280x1024	<b>Size</b>	17.0 inches
<b>Contrast Ratio</b>	1000:1	<b>Panel Brightness</b>	350.0 nits
<b>View Angles</b>	85,85,80,80	<b>Active Area</b>	337.920x270.336 mm
<b>Touch / Glass</b>	AR Protection Glass 5 Wires Resistive Touch (Optional) 5 Wire Resistive with EMI Mesh Filter (Optional) EMI Glass (Optional)		

### System Specification

<b>Processor</b>	Intel Core i5-4300U 1.9GHz (up to 2.9GHz) Intel Core i7-4650U 1.7GHz (up to 3.3GHz) (Optional)	<b>Memory</b>	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
<b>Storage</b>	1 x mSATA SSD 128GB 256GB (Optional) 512GB (Optional) 1 x SATA III for 2.5" SSD/HDD (Optional)	<b>Ethernet controller</b>	2 x Intel® Ethernet Controller
<b>Security</b>	TPM 1.2	<b>Operating System</b>	Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)

### Environment

<b>Operating Humidity</b>	10% to 95% RH	<b>Operating Temperature</b>	-20°C~60°C
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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
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### Certification

Certification CE, FCC

### IO Ports

USB Port	1 x USB 2.0 A Type (MIL-DTL-38999/3)	Serial Port	1 x RS-232 (MIL-DTL-38999/3) 1 x RS-232 (Optional)
Video	1 x VGA (MIL-DTL-38999/3)	LAN	1 x LAN (MIL-DTL-38999/3)

### Mechanical

Dimension	482 x 354 x 80 mm	Mounting	VESA Mount/ Rack Mount
Enclosure	Metal Housing with Aluminum Bezel	Cooling System	Fanless Design

### Accessory

Accessory User Manual (Hardcopy)  
CD-ROM with Driver Utility  
Power Cord MIL-DTL-38999/1

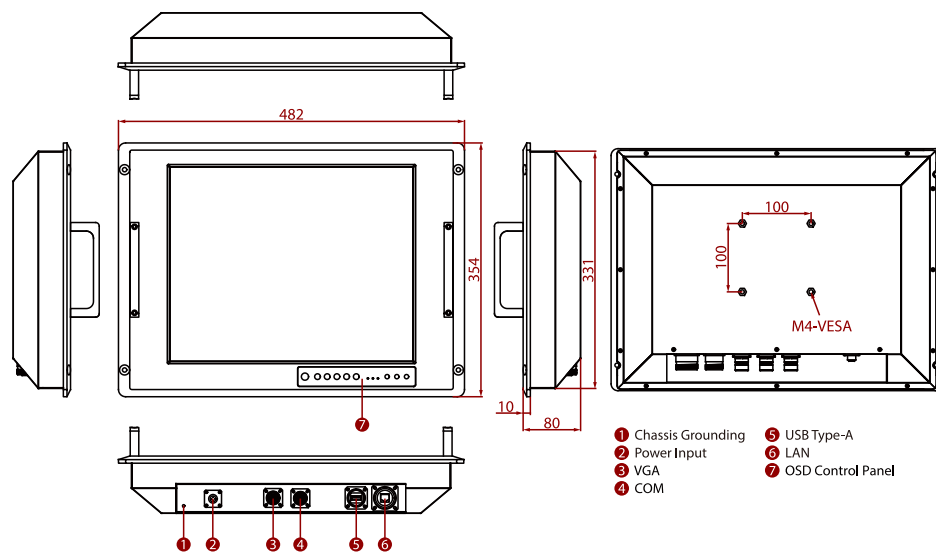
### Power

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

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.