

MRPC-17

17" Intel® Core™ i7-8665UE Defence Console Rack Panel PC



KEY FEATURES

- 17" SXGA TFT LCD
- Intel® Core™ i7-8665UE Processor
- Anti-Corrosion Housing / Fanless
- Fanless cooling system
- 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 Connector (MIL-DTL-38999/1 & 38999/3)

INTRODUCTION

The Defense 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

Resolution	1280x1024	Size	17.0 inches
Contrast Ratio	1000:1	Panel Brightness	350.0 nits
View Angles	85,85,80,80	Active Area	337.920x270.336 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 i7-8665UE 1.7GHz (up to 4.4 GHz) Intel Core i5-8265U 1.6GHz (up to 3.9GHz) (Optional)	Memory	1 x SO-DIMM, DDR4 2400 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 2242 B-key SSD 128GB 256GB (Optional) 512GB (Optional) 1 x SATA III for 2.5" SSD/HDD (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)	Ethernet controller	Intel® Ethernet Controller I210AT + Intel® Ethernet Connection I219LM

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
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Certification

Certification	CE, FCC
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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 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 RS232 Cable MILDTL38999/3
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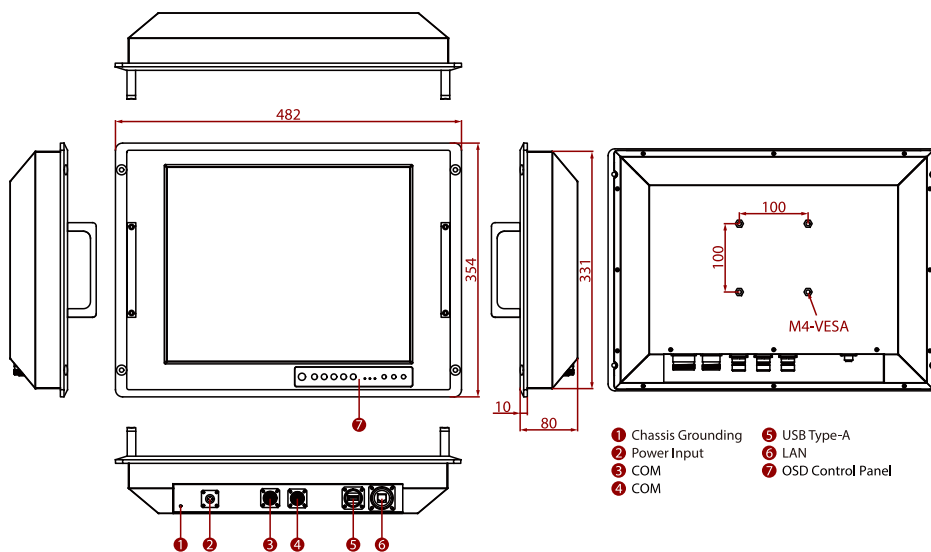
Power

Power Rating	AC 100~240V, Universal, ±10% DC 9~36V, ±10% (Optional)
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Control

Button	8 Key OSD Control Pad: Power, Brightness DOWN, Brightness UP, Night, Day, Auto / Manual, Reset, Lock
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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 Seatronx Sales Team for more information.