

# R19IT3S-RKA3ML

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



## KEY FEATURES

- 19" SXGA TFT LCD
- Intel® Core™ i5-1135G7 2.4 GHz (turbo to 4.2GHz) Processor
- Anti-Corrosion Housing / Fanless
- Compliant with MIL-STD-810G/F , MIL-STD-461E/F
- 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 Connector (MIL-DTL-38999/1)

## 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 and on-screen display controls offer great flexibility. The optional isolation DC power input makes it perfect for command centers, control rooms, and tough field use.

## SPECIFICATIONS

### Display

<b>Resolution</b>	1280x1024	<b>Size</b>	19.0 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>	376.32x301.06 mm
<b>Touch / Glass</b>	AR Protection Glass EMI ITO Glass (Optional) 5-wire Resistive Touch (Optional) 5-wire Resistive Touch with EMI Mesh Filter (Optional)		

### System Specification

<b>Processor</b>	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz) Intel Core i5-1145G7 2.6GHz (up to 4.4GHz) (Optional)	<b>Memory</b>	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
<b>Storage</b>	1 x M.2 M-Key 2242 SATA SSD or 1 x M.2 M-Key 2280 NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB(for NVMe) (Optional) 2TB(for NVMe) (Optional) 4TB(for NVMe) (Optional) 1 x SATA III , up to 2TB (Optional)	<b>Ethernet controller</b>	2 x Intel® Ethernet Controller
<b>Security</b>	TPM 2.0	<b>Operating System</b>	Windows 11 IoT Enterprise SAC (64 bit) (Optional)

## Environment

<b>Operating Humidity</b>	10% to 95% RH	<b>Operating Temperature</b>	-20~60°C
<b>Storage Temperature</b>	-30°C~70°C	<b>Vibration</b>	USA: MIL-STD-810H Method 514.8 – Procedure I NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 401–Procedure I (optional)
<b>Drop</b>	USA: MILSTD810H Method 516.8 NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 404–Procedure II (Optional)	<b>TEMPEST</b>	USA: NSA NSTISSAM TEMPEST/1-92 (optional) NATO: NATO SDIP-27 (optional)

## Compliance

<b>MIL-STD 461G</b>	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)	<b>MIL-STD 810H</b>	USA: MIL-STD-810H (default): Vibration Method 514.6 Humidity Method 507.6 Transit Drop Method 516.6  NATO (optional): Vibration Test STANAG 4370/AECTP-401 Shock STANAG 4370/AECTP-402 Procedure I Drop and Topple Test STANAG 4370/AECTP-404
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## Certification

<b>Certification</b>	CE, FCC
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## Mechanical

<b>Dimension</b>	482.6 x 399.3 x 71.4 mm	<b>Mounting</b>	Rack mount Panel mount (Optional) VESA mount (Optional)
<b>Enclosure</b>	Metal Housing with Aluminum Bezel	<b>Cooling System</b>	Fanless Design

## IO Ports

<b>USB Port</b>	2 x USB 3.0	<b>Serial Port</b>	1 x RS232/422/485 (Default RS232) 1 x RS232 (Optional)
<b>Video</b>	1 x HDMI (Optional)	<b>LAN</b>	2 x RJ45

## Accessory

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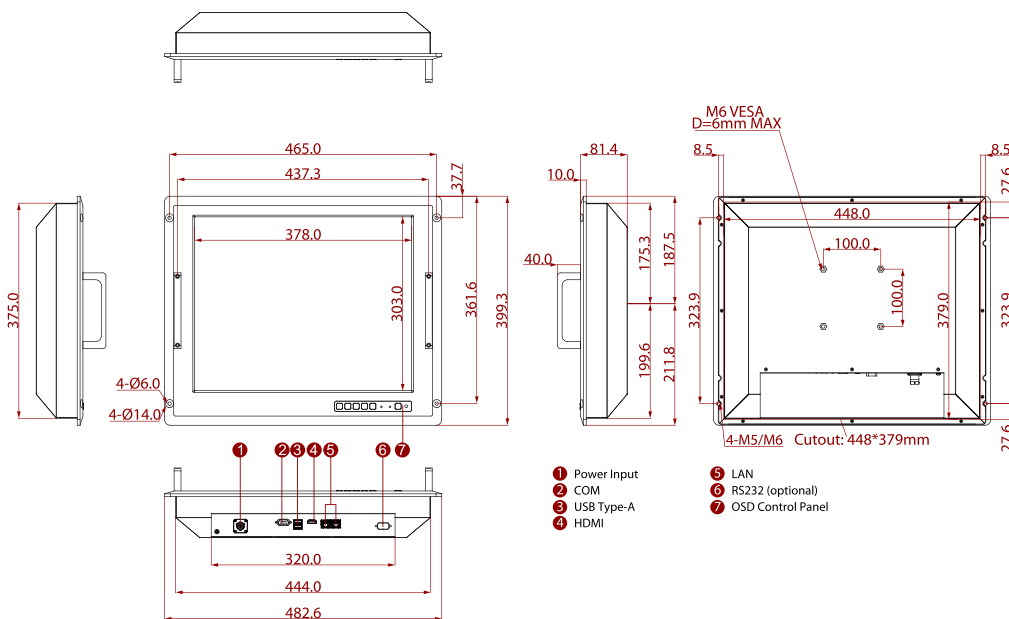
## Power

<b>Power Rating</b>	AC 100~240V, Universal, ±10% DC 9~36V, ±10% (Optional)
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## Control

<b>Button</b>	6 Key OSD Control Pad: Power/ Brightness DOWN, Brightness UP/ Night, Day/ Exit, Auto/ Menu
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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 Winmate Sales Team for more information.