# R15IT3S-MLA3FP

## 15" 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/F , MIL-STD-461E/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

## 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

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|---|---|---|---|
| **Resolution** | 1024x768 | **Size** | 15.0 inches |
| **Contrast Ratio** | 2500:1 | **Panel Brightness** | 500.0 nits |
| **View Angles** | 88,88,88,88 | **Active Area** | 304.1x228.1 mm |
| **Touch / Glass** | Projected Capacitive Multi Touch Screen<br>PCAP with With ITO Film (Optional) | | |

### System Specification

| | | | |
|---|---|---|---|
| **Processor** | Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)<br>Intel Core i5-1145G7 2.6GHz (up to 4.4GHz) (Optional) | **Memory** | 1 x SO-DIMM, DDR4 3200 MHz, 4GB<br>8GB (Optional)<br>16GB (Optional)<br>32GB (Optional) |
| **Storage** | 1 x M.2 M-Key 2242 SATA SSD or 1 x M.2 M-Key 2280 NVMe SSD<br>128GB<br>256GB (Optional)<br>512GB (Optional)<br>1TB(for NVMe) (Optional)<br>2TB(for NVMe) (Optional)<br>4TB(for NVMe) (Optional)<br>1 x SATA III , up to 2TB (Optional) | **Ethernet controller** | 2 x Intel® Ethernet Controller |
| **Security** | TPM 2.0 | **Operating System** | Windows 11 IoT Enterprise SAC (64 bit) (Optional)<br>Windows 10 IoT Enterprise (64 bit) (Optional)<br>Linux Ubuntu 22.04 (Optional) |

## Environment

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|---|---|---|---|
| **Operating Humidity** | 10% to 95% RH | **Operating Temperature** | 0~50°C |
| **Storage Temperature** | -10°C~60°C | **Vibration** | USA: MIL-STD-810H Method 514.8 – Procedure I<br><br>NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 401–Procedure I (optional) |
| **Drop** | USA: MILSTD810H Method 516.8<br><br>NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 404–Procedure II (Optional) | **TEMPEST** | USA: NSA NSTISSAM TEMPEST/1-92 (optional)<br>NATO: NATO SDIP-27 (optional) |

## Compliance

| | | | |
|---|---|---|---|
| **MIL-STD 461G** | USA: MIL-STD-461G: CE101, CE102, RE101, RE102, CS118 (default)<br>CS101, CS114, CS115, CS116, RS101, RS103 (optional)<br><br>NATO: STANAG 4370/AECTP-501: NCE01, NCE02, NRE01, NRE02, NCS12 (default)<br>NCS01, NCS07, NCS08, NCS09, NRS01, NRS02 (optional) | **MIL-STD 810H** | USA: MIL-STD-810H (default): Vibration Method 514.6<br>Humidity Method 507.6<br>Transit Drop Method516.6<br><br>NATO (optional): Vibration Test STANAG 4370/AECTP-401<br>Shock STANAG 4370/AECTP-402 Procedure I<br>Drop and Topple Test STANAG 4370/AECTP-404 |

## Certification

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|---|---|
| **Certification** | CE, FCC |

## Accessory

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|---|---|
| **Accessory** | 1 x Manual(Hardcopy)<br>1 x Driver CD<br>1 x Power Cord (MIL-DTL-38999/1) |

## Mechanical

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|---|---|---|---|
| **Dimension** | 402 x 321 x 70 mm | **Mounting** | Rack mount<br>VESA mount (Optional) |
| **Enclosure** | Metal Housing with Aluminum Bezel | **Cooling System** | Fanless Design |

## IO Ports

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|---|---|---|---|
| **USB Port** | 2 x USB 3.2 Gen 1 | **Serial Port** | 1 x RS232(Default)/422/485 |
| **Video** | 1 x HDMI (Optional) | **LAN** | 2 x RJ-45 |

## Power

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|---|---|
| **Power Rating** | AC 100~240V, Universal, ±10%<br>DC 9~36V, ±10% (Optional) |

## Control

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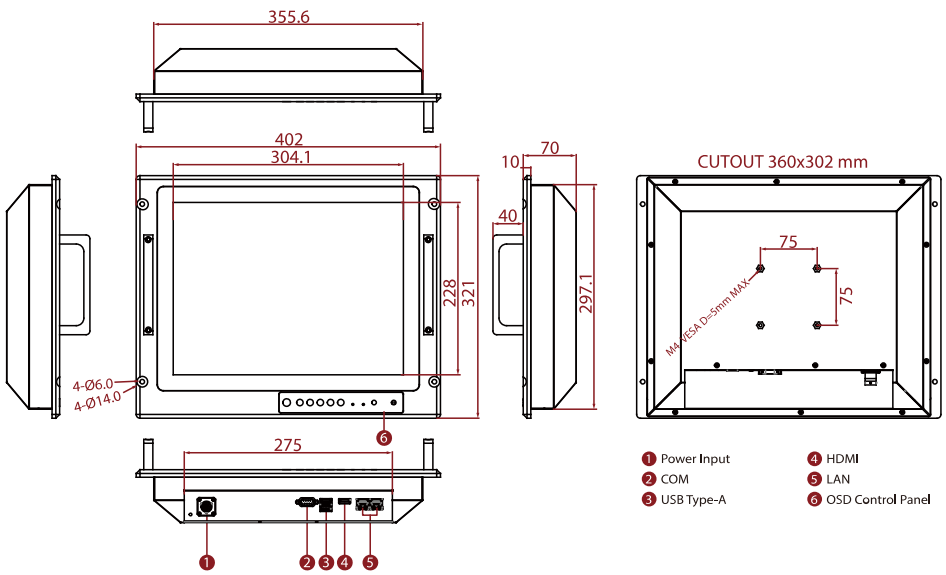
|---|---|
| **Button** | 6 Key OSD Control Pad:<br>Power/ Brightness DOWN, Brightness UP/<br>Night, Day/ Exit, Auto/ Menu |

## 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.