

R17IB3S-RKA1ML

17" Intel® Celeron® N2930 Defense Console Rack Panel PC



KEY FEATURES

- 17" SXGA TFT LCD
- Intel® Celeron® N2930 2.16 GHz 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)

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

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 Celeron N2930 1.83GHz (up to 2.16GHz)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x mSATA SSD 128GB 256GB (Optional) 512GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)	WLAN	Support (Optional)
BT	Support (Optional)		

Environment

Operating Humidity	10% to 95% RH	Operating Temperature	0~50°C
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Storage Temperature	-10°C~60°C	Shock	USA: MIL-STD-810H Method 516.8 – Procedure I NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 402– Procedure I (optional)
Vibration	USA: MIL-STD-810H Method 514.8 – Procedure I NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 401–Procedure I (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 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

Certification	CE, FCC
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IO Ports

USB Port	1 x USB2.0 1 x USB3.0	Serial Port	1 x RS232(Default)/422/485
Video	1 x HDMI (Optional)	LAN	2 x RJ45

Mechanical

Dimension	482 x 354 x 80 mm	Mounting	VESA mount Rack mount (Optional)
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
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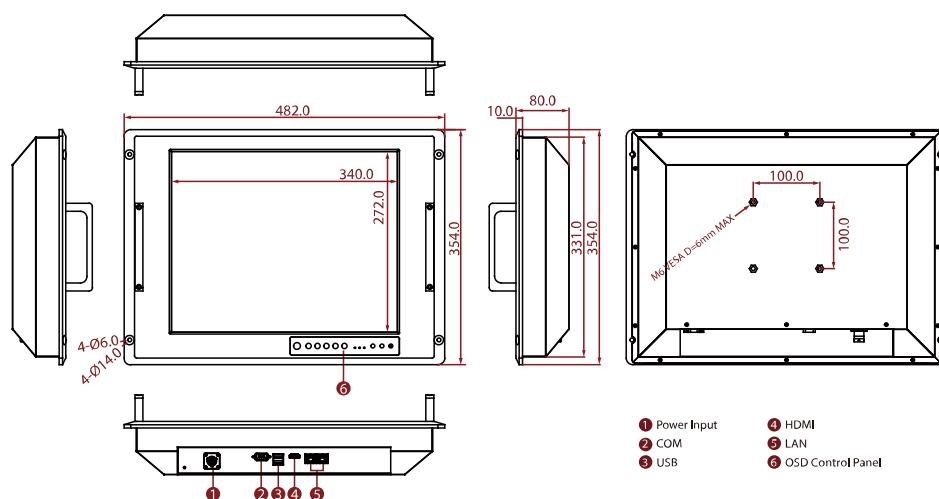
Power

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

Button	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.