

W24IT3S-RKS1ML

24" Intel® Core™ i5-1135G7 Defence Console Rack Panel PCs



KEY FEATURES

- 24" 1920 x 1200 High Resolution TFT LCD, Defence Console Rack Panel PCs
- 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 W24IT3S-RKS1ML is a 24-inch Intel® Core™ i5-1135G7 Defence Console Rack Panel PC engineered for defense operations, field command, and mission-critical mobility. It combines Intel® Core™ i5-1135G7, 24-inch display with 1920x1200 resolution, and MIL-STD-810G to support reliable operation in harsh industrial environments. With MIL-STD-461, the W24IT3S-RKS1ML helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

SPECIFICATIONS

Display

Resolution	1920x1200	Size	24.0 inches
Contrast Ratio	1000:1	Panel Brightness	300.0 nits
View Angles	89,89,89,89	Active Area	518.4x324.0 mm
Touch / Glass	AR Protection Glass (Default) 5 Wires Resistive Touch (Optional) 5 Wire Resistive with EMI Mesh Filter (Optional) EMI Glass (Optional)		

System Specification

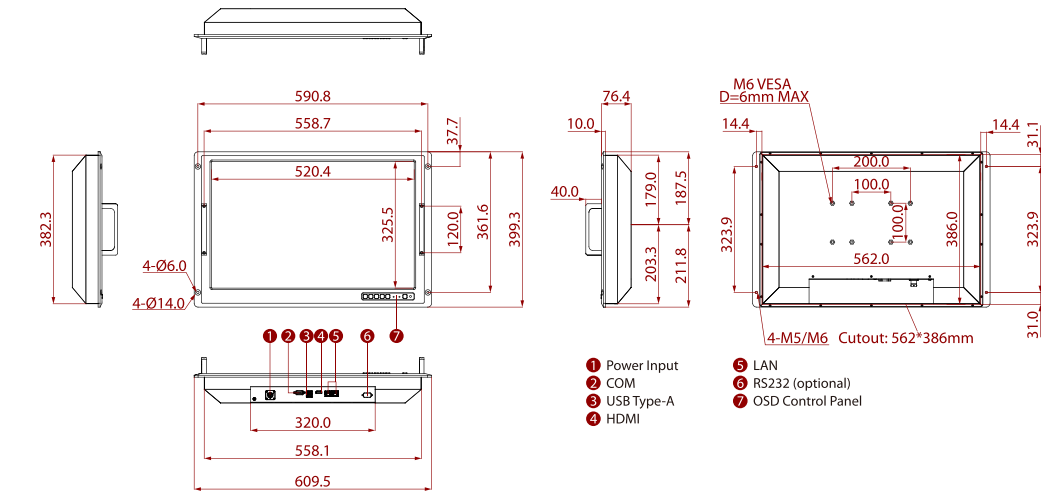
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz) (Default) Intel Core i5-1145G7 2.6GHz (up to 4.4GHz) (Optional)	Memory	4GB (Default) 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	128GB, up to 2TB	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise SAC (64 bit) (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)

Environment

Operating Humidity	10% to 95% RH	Operating Temperature	0~50°C
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Storage Temperature		-10°C~60°C	Vibration		USA: MIL-STD-810H Method 514.8 – Procedure I NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 401–Procedure I (optional)	
Drop		USA: MILSTD810H Method 516.8 NATO: STANAG 4370/AECTP400 Edition 3 Method AECTP 404–Procedure II (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 514.8 Humidity Method 507.6 Transit Drop Method516.8 NATO (optional): Vibration Test STANAG 4370/AECTP-401 Shock STANAG 4370/AECTP-402 Procedure I Drop and Topple Test STANAG 4370/AECTP-404	
Certification						
Certification		CE, FCC				
Mechanical						
Dimension		609.5 x 399.3 x 76.2 mm		Mounting		VESA mount/Rack mount
Enclosure		Metal Housing with Aluminum Bezel		Cooling System		Fanless Design
IO Ports						
USB Port		2 x USB 3.0		Serial Port		1 x RS232/422/485 (Default RS232) (Default) 1 x RS232 (Optional)
Video		1 x HDMI (Optional)		LAN		2 x RJ45
Accessory						
Accessory		User Manual (Hardcopy) CD-ROM with Driver Utility Power Cord MIL-DTL-38999/1				
Power						
Power Rating		AC 100~240V, Universal, ±10% (Default) DC 9~36V, ±10% (Optional)				
Control						
Button		6 Key OSD Control Pad: Power/ Brightness DOWN, Brightness UP/ 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.
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