

Military Grade 24" Rack Mount Panel PC (Intel® Celeron Platform)

MODEL #: W24IB3S-RKS1ML

Mechanical Design

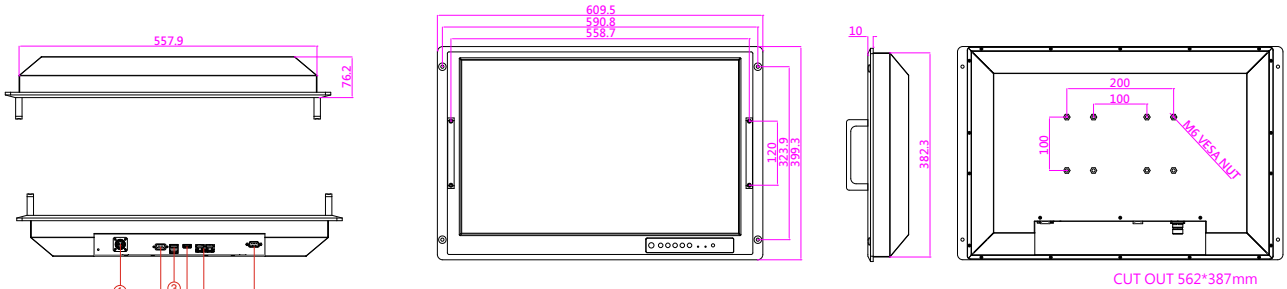


- 24" 1920x1200 High Resolution TFT-LCD
- Intel® Celeron N2930 2.16GHz Processor
- Anti-Corrosion Housing / Fanless
- Compliant with MIL-STD-810G/F
- Flush Rack / Rack Mount Mechanical Design (9U)
- Convenient On-Screen Display Controls
- AC 110~240V Power input default / Isolation DC 9~36V Power input (Optional)
- Built-in Light Sensor for auto brightness control
- Military Grade Power Connector (MIL-DTL-38999/1)

FRONT VIEW

SIDE VIEW

BACK VIEW



1. Power in (MIL-DTL-38999/1)
2. RS232/422/485 (Default RS232)
3. 1 x USB 2.0 / 1 x USB 3.0
4. HDMI
5. LANx2
6. RS-232(Optional)

Measurements shown in mm.
 * Tolerance of all dimensions is shown as follow 0~30 mm ± 0.1 mm, 30~50 mm ± 0.15 mm, 50~120 mm ± 0.2 mm, above 120 mm ± 0.25 mm.
 * Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

Display Specification

Characteristics :

• Resolutions	: 1920 x 1200
• Brightness	: 300 cd/m ² (typ.)
• Contrast Ratio	: 1000 : 1(typ.)
• Viewing Angles	: -89~89(H); -89~89(V)
• Max Colors	: 16.7M(Colors)

System Specifications :

• Processor	: Intel®Celeron N2930 2.16GHz
• BIOS	: AMI 16Mbit Flash
• System Chipset	: Intel®SoC Integrated
• System Memory	: 1 x SO-DIMM DDR3L 1066/1333 default 4GB
• Lan Controller	: Intel®I210-AT GbE LANx2
• Storage	: mSATA SSD, Default 64GB
• Audio Codec	: Realtek ALC886 HD Audio Codec
* A customized housing is needed if you would like to have the PCI expansion.	

Power Specifications :

• Power Input	: Default AC 110~240V in Optional isolation 9~36V DC in
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Environment Considerations :

• Operating Temperature	: 0°C~50°C Wide temperature solution by request
• Storage Temperature	: -10°C~60°C
• Operating Humidity	: 95%RH ±3%

I/O Connectors:

• Plug & Play	: VESA DDC 1/2B
• Back Panel I/O Port	: 1 x Power Input (Military) 1 x USB2.0, 1 x USB3.0 1 x RS232(Default)/422/485 2 x RJ-45 1 x VGA 1 x RS232 (Optional)

Accessories :

• MIL-DTL-38999/1 Power cord
• Driver & Manual CD

Order Information (Optional):

Touch	: 5 Wires Resistive / 5 Wire Resistive with EMI Coating
Glass	: EMI Coating Glass (Default AR Glass)
OS	: Windows Embedded Standard 7 Windows Embedded 8 Standard Windows Embedded 8.1 Industry Windows 10 IoT Enterprise
Storage	: mSATA SSD up to 256GB
RAM	: SO-DIMM DDR3 1666, max up to 8GB
Power	: Optional isolation 9~36V DC in

Environmental(MIL-STD 810F/G Compliance)

Vibration	: MIL-STD-810F/G Method 514.5
Humidity	: MIL-STD-810F/G Method 507.4
Transit Drop	: MIL-STD-810F/G Method 516.5

Environmental(MIL-STD 461E/F Compliance)

RE	: RE 101 / RE 102
CE	: CE 101 / CE 102
Optional with EMI Glass / Touch	
RS	: RS101 / RS103
CS	: CS 101 / CS 106 / CS 109 / CS 114 CS 115 / CS 116

* If you require external test report, Winmate will charge NRE fee.

Note: All Specifications are subject to change without prior notice!

Release Date: 29-Mar-2019 V1.8



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US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660