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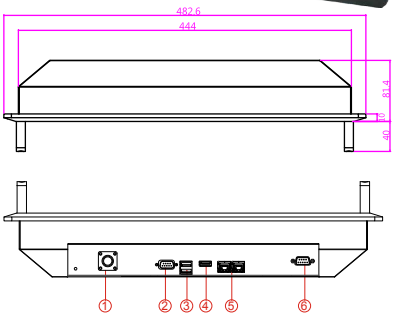
Military Grade 20.1" Rack Mount Panel PC (Intel® Celeron Platform)

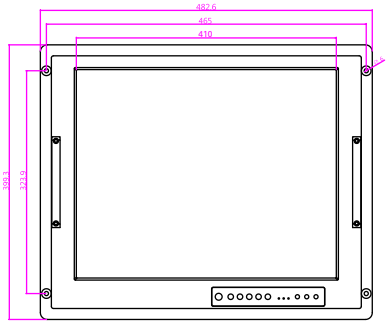
MODEL #: R20IB3S-RKA2ML

Mechanical Design

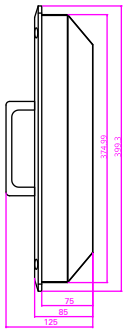
- 20.1" LCD 1600x1200
- Intel® Celeron N2930 2.16GHz Processor
- Anti-Corrosion Housing / Fanless
- Compliant with MIL-STD-810G/F
- Flush Rack / Rack Mount Mechanical Design (9U)
- Convenient On-Screen Display Controls
- AC 110~240V Power input default / Isolation DC 9~36V Power input (Optional)
- Built-in Light Sensor for auto brightness control
- Military Grade Power Connector (MIL-DTL-38999/1)

FRONT VIEW

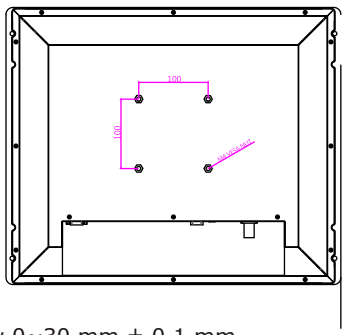




SIDE VIEW



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 : 1600 x 1200
- Brightness : 300 cd/m² (typ.)
- Contrast Ratio : 1400 : 1(typ.)
- Viewing Angles : -85~85(H);-80~80(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

Environment Considerations :

- Operating Temperature : 0°C~60°C
  Wide temperature solution by request
- Storage Temperature : -10°C~70°C
- Operating Humidity : 95%RH ±3%

I/O Connectors :

- 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)

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

Accessories :

- Military Grade MIL-DTL-38999/1 Power Cord
- Driver & Manual CD

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		
CS	:	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.