

# 20.1"

## Military Grade Console Panel PC

### » Features & Benefits

- Model Name: R20ID3S-RKA2ML
- 1 x SO-DIMM, max. 4GB DDR3 1066/1333
- Integrated VGA, 24bit single channel LVDS, DVI
- Integrated Dual Broadcom BCM57780 Ethernet
- Compliant with MIL-STD 810F/G
- High Image Quality Resolution up to 1600 x 1200 pixels
- Wide View Angle Display for  $\pm 89$  degrees
- Anti-Corrosion Housing with Fanless Design
- Standard AR Glass
- EMI ITO Mesh Filter Glass built-in (optional)
- 5 Wire Resistive Touch with EMI Mesh Coating (optional)
- Flush Rack / Rack Mount Mechanical Design
- Convenient On-Screen Display Controls
- AC Power input/ Isolation Power built-in
- Auto-Dimming & Dimming Controls
- Military Grade Power Connector Model JY27466
- Operating Temperature -25°C to 50°C

Intel® Atom D2550 1.86GHz Processor

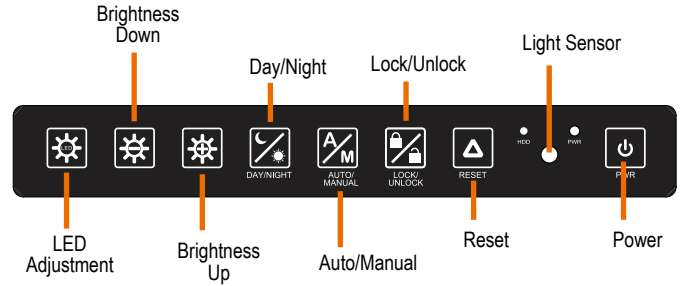
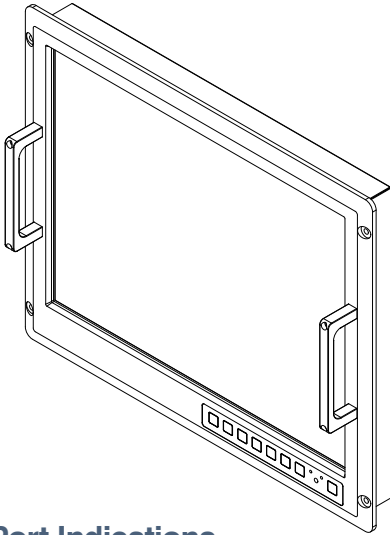


### » Technical Specifications

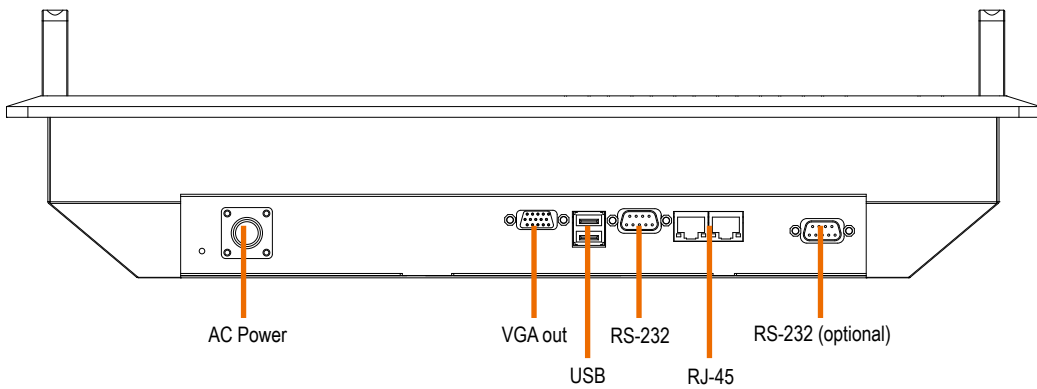
Display Specifications	
Model Name	R20ID3S-RKA2ML
Active Display Area	408.0(H) x 306.0(V) mm
Pixel Pitch	0.255(H) x 0.255 (V) mm
Brightness	300 cd/m2 (typical)
Viewing Angle	-89~89 (H); -89~89(V)
Contrast Ratio	800:1
Response Time	25 ms (typical)
Display Colors	16.7 Million(8 bits/colors)
Synchronization Range	Horizontal: 31.5~80.0kHz Vertical: 60~75 Hz
Power Source	AC 100~240V, Universal $\pm 10\%$
Power Consumption	90W Typical, normal operation
Glass	Yes (default) Standard AR Glass
EMI ITO Glass	Optional, Transmittance 88%, 5 ohms
EMI Mesh Touch Screen	Optional, 5 Resistive Touch with EMI Mesh Filter
Dimming Range	0~100 %
Light Sensor	Yes (default)

System Specifications	
Processor	Intel® Atom D2550 1.86GHz Processor
BIOS	AMI 16M bit BIOS
System Chipset	Intel® NM10
Storage	Mini PCI-E SATA SSD
Internal Pin Header	
Memory Slot	1 x DDR3 1066/1333 SO-DIMM, Max. 4GB
SATA	1 x SATA
RS-232	3 x RS232
USB	2 x USB
Audio (ALC 886 Codec)	1 x Line-in, Line-out, Mic-in
External I/O	
COM	1 x RS 232/422/485
Ethernet	2 x RJ45(GigaLAN)
USB	2 x USB
VGA	1 x VGA out

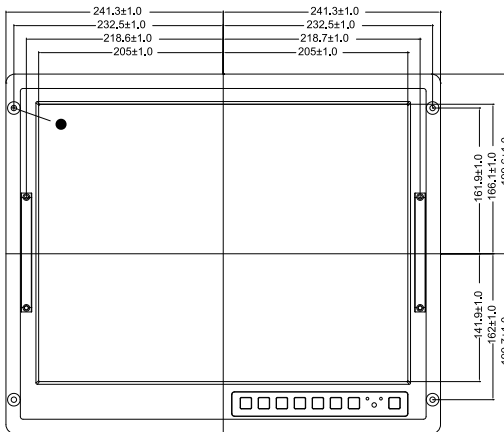
## » Front On-Screen Display Control Functions



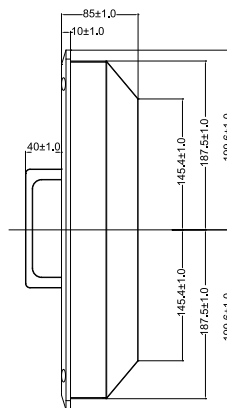
## » I/O Port Indications



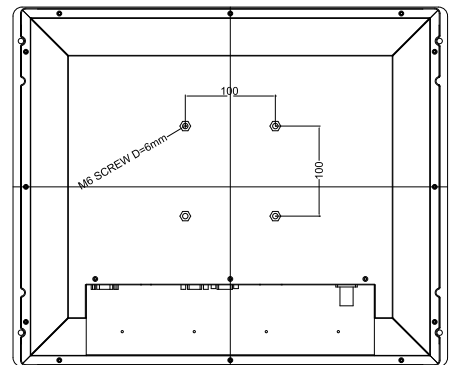
## » Mechanical Drawing



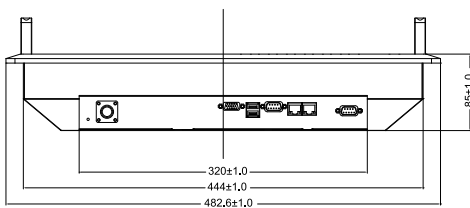
Front View



Side View



Rear View



Bottom View