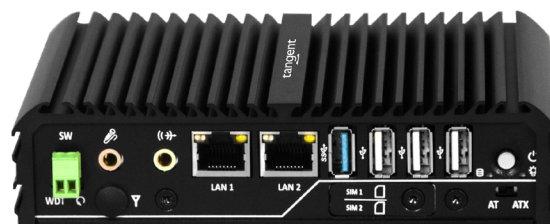


Rugged Mini E1

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FEATURES

- Intel Atom Processor E3827, E3845, or Celeron J1900
- 1x 204-pin DDR3L SO-DIMM, up to 8GB
- Dual independent display supported by 1x DVI-I
- 2x Intel GbE supporting Wake-on-LAN and PXE
- 1x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for expansion
- 2x SIM sockets
- 2x RS-232/422/485, 1x USB 3.0, 3x USB 2.0
- -25° to 70°C extended operating temperature



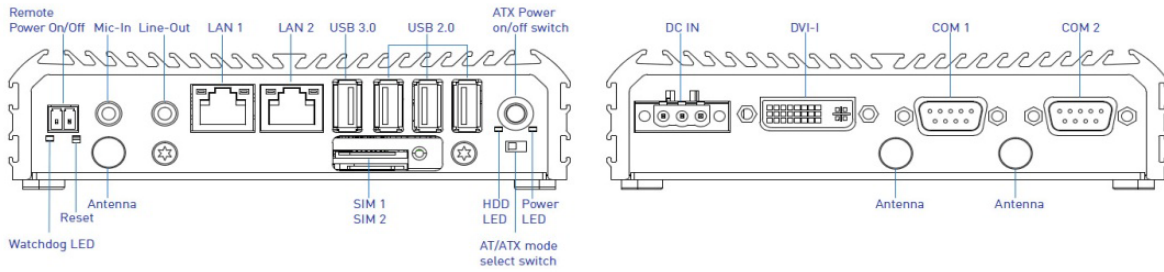
SPECIFICATIONS

System	
Processor	Intel Celeron J1900, Quad-Core, 2MB Cache, 2.0GHz
System Chipset	Bay Trail SoC integrated
Graphics Controller	Intel HD Graphics
LAN Chipset	2x GbE: Intel I210-AT
Audio	Realtek ALC888S
System Memory	Up to 8GB DDR3L 1333 (1x SO-DIMM)
BIOS	AMI 64Mbit
Watchdog	Software Programmable Supports 1~255 sec. System Reset
Storage	
mSATA	1x mSATA (shared with 1x Mini PCIe)
Expansion	
Mini PCI Express	2x MiniPCIe (Full Size)
SIM Socket	2x External SIM Sockets
Other	
Cooling Method	Fanless
I/O	
Video	1x DVI-I
COM	2x DB9 Serial RS232/422/485, COM1 & COM2
USB	1x USB 3.0 3x USB 2.0
LAN	2x GbE RJ45
WLAN	Intel Wireless AC-7260 + BT (Optional)
Audio	1x Mic-in, 1x Line-out
Other	1 x Power Switch 1x AT/ATX Switch 1x Remote Power Switch (2 pin Phoenix Connector)

Operating System	
Windows	Windows 7 Pro 32/64bit Windows 10 Pro 64bit
Power	
Power Mode	AT/ATX
Power Input Voltage	9-48 VDC
Power Connector	3-pin Phoenix Connector
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) RPP (Reverse Polarity Protection)
Power Adapter	External Power Adapter, 12V @ 5A
Environment	
Operating Temp.	-13°F - 158°F (-25°C - 70°C)
Storage Temp.	-22°F - 185°F (-30°C - 85°C)
Relative Humidity	10% - 95% non-condensing
Shock	With SSD: 50 G, half sine, 11 ms
Vibration	With SSD: 5 Grms, 5 - 500 Hz, 0.5 hr/axis With HDD: 1 Grms, 5 - 500 Hz, 0.5 hr/axis
Certification	CE, FCC Class A
Physical	
Enclosure Materials	Extruded Aluminum with Heavy Duty Metal
Dimension (WxHxD)	5.91" x 4.13" x 1.46" (150 x 105 x 37 mm)
Weight	1.52 lb (0.69 kg)
Mounting	Wall Mount, Side / VESA / DIN-Rail (Optional)
Warranty	
Warranty	1-Year Standard

Rugged Mini E1

I/O LAYOUT



Front Panel

Rear Panel

DIMENSION

Unit: mm

