

# Rugged Mini E1

## Technical Specifications

### Features

- Intel Atom Processor E3827, E3845, or Celeron J1900
- 1 x 204-pin DDR3L SO-DIMM, up to 8GB
- Dual Independent Display supported by 1 x DVI-I
- 2 x Intel GbE supporting Wake-on-LAN and PXE
- 1 x mSATA, 2 x SIM socket
- 2 x Full-size mini PCIe for expansion
- 2 x RS-232/422/485, 1 x USB 3.0, 3 x 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 UHD Graphics 620
LAN Chipset	2 x GbE: Intel I210-AT
Audio	Realtek ALC888S
System Memory	Up to 8GB DDR3L 1333 (1 x SO-DIMM)
BIOS	AMI 64Mbit
Watchdog	Software Programmable Supports 1~255 sec. System Reset

#### Storage

mSATA	1 x mSATA (Shared with 1 x Mini PCIe)
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#### Expansion

Mini PCI Express	2 x MiniPCIe (Full size)
SIM Socket	2 x External SIM Sockets

#### Other

Cooling Method	Fanless
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#### I/O

Video	1 x DVI-I
COM	2 x DB9 Serial RS232/422/485, COM1 & COM2
USB	1 x USB 3.0 2 x USB 2.0
LAN	2 x GbE RJ45
WLAN	Intel Wireless AC-7260 + BT (Optional)
Audio	1 x Mic-in, 1 x Line-out
Other	1 x Power Switch 1 x AT/ATX Switch 1 x Remote Power Switch (2-pin Phoenix Connector)

#### Operating System

Windows	Windows 10 Pro 64bit
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#### Power

Power Mode	AT/ATX
Power Input Voltage	9 ~ 48 VDC
Power Ignition Sensing	No
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 Temperature	-13°F to 158°F (-25°C to 70°C)
Storage Temperature	-22°F to 185°F (-30°C to 85°C)
Relative Humidity	10% - 95% non-condensing
Shock	With SSD: 50G, half sine, 11ms
Vibration	With SSD: 5 Grms, 5 ~ 500Hz, 0.5 hr/axis With HDD: 1 Grms, 5 ~ 500Hz, 0.5 hr/axis
IP Level	N/A
Certification	CE, FCC Class A

#### Physical

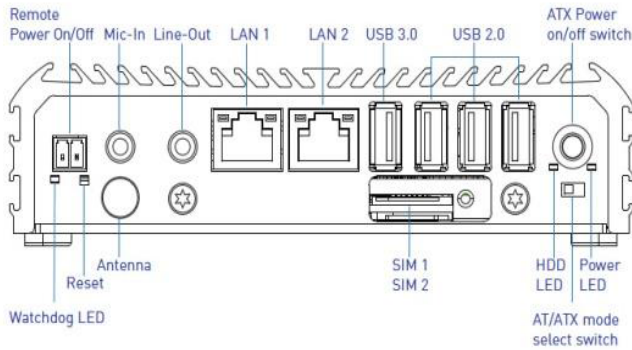
Enclosure Materials	Extruded Aluminum with Heavy Duty Metal
Dimension (W x H x D)	5.91" x 4.13" x 1.46" (150mm x 105mm x 37mm)
Weight	1.52 lb (0.69 kg)
Mounting	Wall Mount (Standard), VESA (Optional), DIN-Rail (Optional)

#### Warranty

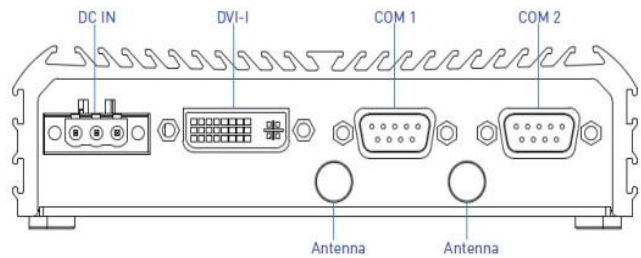
Warranty	1-year standard
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# Rugged Mini E1

## I/O Layout



Front Panel



Rear Panel

## Dimensions

