

RCS-2202

Fanless Robust Computing System with Quad Core Intel® Atom™ E3845, 2 GigE LAN, 6 USB, 6 COM w/ 2 Isolated, 2 PCI, 32 Isolated DIO, 16 GPIO, Extended Temperature



Features

- Quad Core Intel® Atom™ E3845 1.91GHz Processor
- Fanless, -25°C to 70°C Operating Temperature
- 6V to 36V DC-in, 80V Surge Protection
- Dual Display : VGA/DVI-D/LVDS
- 32 Isolated DIO, 16 GPIO
- 6 External COM with 2 Isolated RS-232/422/485
- 2 Mini PCIe, 2 PCI, 1 SIM Card Socket
- 2 GbE LAN, 4 USB 3.0, 2 USB 2.0
- 1 2.5" SSD, 1 CFast Socket
- Optional Onboard GPS



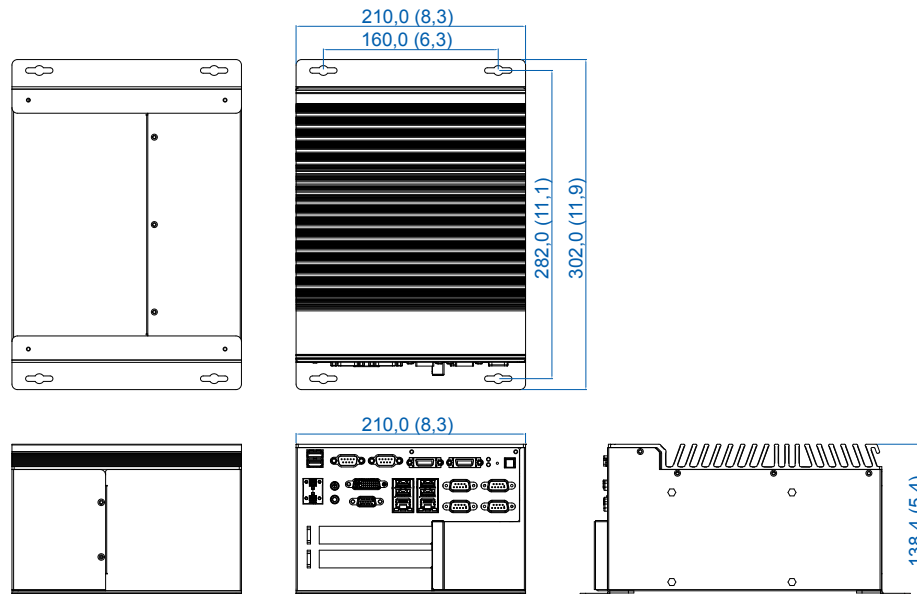
Specifications

System	
Processor	Quad Core Intel® Atom™ E3845 1.91GHz Processor (Valleyview)
Chipset	Intel® SoC (Bay Trail)
BIOS	AMI
SIO	IT8786E
Memory	1 DDR3L 1333MHz SO-DIMM, up to 8GB
I/O Interface	
Serial	6 External COM : ▪ 2 COM RS-232/422/485 ▪ 2 COM RS-232 ▪ 2 Isolated COM RS-232/422/485
USB	4 USB 3.0 (External) 2 USB 2.0 (External)
Isolated DIO	Dual 16 Isolated DIO : ▪ Isolated DIO 1 : 16 Isolated DIO (8 DI, 8 DO) ▪ Isolated DIO 2 : 16 Isolated DIO (8 DI, 8 DO)
GPIO	16 GPIO (Internal)
LED	Power, HDD
SIM Card	1 SIM Card Socket (Internal)
Expansion	
Mini PCIe	2 Mini PCIe : ▪ 1 Mini PCIe for PCIe/USB/SIM Card ▪ 1 Mini PCIe for PCIe/USB
PCI	2 PCI Slot
Graphics	
Graphics Processor	Intel® HD
Interface	Dual Display : ▪ VGA : Up to 2560 x 1600 ▪ DVI-D : Up to 1920 x 1200 ▪ LVDS : Dual channel 24-bit (Optional)
Storage	
SATA	1 SATA II (3Gbps)
Storage Device	▪ 1 CFast Socket, Push-in/Push-out Ejector (Internal) ▪ 1 2.5" SSD/HDD Bracket (Internal)
Audio	
Audio Codec	Realtek ALC892, 5.1 Channel HD Audio
Audio Interface	1 Mic-in, 1 Line-out
Ethernet	
LAN 1	GigE LAN by Intel® 82574L
LAN 2	GigE LAN by Intel® 82574L

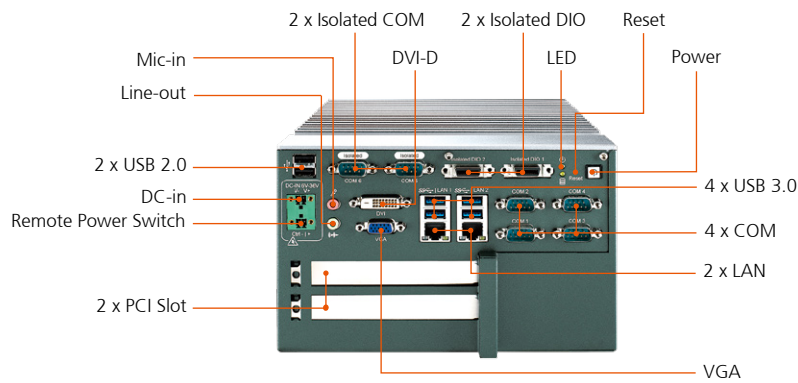
Power	
Power Input	6V to 36V, DC-in
Power Interface	2-pin Terminal Block : V+, V-
Remote Switch	2-pin Terminal Block
Surge Protection	Up to 80V/1ms Transient Power
Others	
Watchdog Timer	Reset : 1 to 255 sec./min. per step
Smart Management	Wake on LAN, PXE supported
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats.
GPS	Onboard GPS Module (Optional)
Software Support	
OS	Windows 10, Windows 8.1, Windows 7, Linux
Mechanical	
Dimensions (W x L x H)	210mm x 252mm x 137mm (8.3" x 9.9" x 5.3")
Weight	3.5 kg (7.7 lb)
Mounting	Wallmount by mounting bracket
Environment	
Operating Temperature	-25°C to 70°C (-13°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	10% to 95%, non-condensing
Relative Humidity	95% @ 70°C
Shock	▪ IEC 60068-2-27 ▪ SSD : 50G @ wallmount, Half-sine, 11ms
Vibration	▪ IEC 60068-2-64 ▪ SSD : 5Grms, 5Hz to 500Hz, 3 Axis
EMC	CE, FCC

Dimensions

Unit : mm/ inch



Front I/O



Order Information

RCS-2202	RCS-2000 Fanless Robust Computing System, 2 GbE LAN, 6 COM w/ 2 Isolated, 6 USB, 2 PCI, 1 SIM, Isolated DIO, 16 GPIO, Onboard Quad Core Intel® Atom™ E3845 Processor
DDR3L4G	Certified DDR3L-1600 4G RAM
DDR3L8G	Certified DDR3L-1600 8G RAM
PWA-60WP2	60W, 24V/2.5A 100V AC to 240V AC Power Adapter for 2-pin 3.5mm Terminal Block
3G Module	Mini PCIe 3G/GPS Module with Antenna
4G Module	Mini PCIe 4G/GPS Module with Antenna
WiFi & Bluetooth Module	Mini PCIe WiFi & Bluetooth Module with Antenna