

High Performance, Rugged, Extended Temp, Fanless Robust Computing System with PCI | PCIe Slots, Intel[®] Quad-Core Atom™ E3845 Valleyview (Bay Trail) Processor





Intel[®] Quad-Core Atom™ Bay Trial-I E3845 Quad-core processor 1 PCI-ex1 Slot, 1 Isolate PCI Slot or 2 PCI / 16 DC Expansion Slots

Isolated DIO, 16 DI Fanless, / 16 DO (Optional) -25°C to 70°C Built-In Input 80 VDC Overvoltage Protection

3G/4G, GPS/GPRS, WiFi Support Dual Display2Support: DVI-D,CVGA2

2 GbE LAN, 4 COM, 4 USB 3.0 + 2 USB 2.0

To maximum leverage the engineering design, VECOW launches EN50155-certified RCS-2000 series, based on Intel® Quad-Core Atom™ E3845 (Bay Trail-I Premium) processor platform, with the multiple PCI/PCIe slot expandability allows flexible integration of variety of add-on cards and isolated connectivity perfectly designed for rugged Niche markets requires surge protection for power.RCS-2000 series, as an addition of the RCS family, with the capability up to 8GB memory from single channel DDR3L, moreover, offering abundant connectivity with host/device, including one DVI-D, one VGA, two GbE LANs, two RS-232, two RS-232/422/485, two isolated RS-232/422/485, two isolated DIO, two USB 2.0 ports, four USB 3.0 ports, one internally accessible 2.5" SATA 3Gbps SSD/HDD tray, one optional mSATA support via an internal mini-PCIe slot, 3G/4G/GPS/GPRS/WiFi/ Bluetooth support and Remote Power switch design.With the multiple, powerful I/O, unique front wiring design, thumb-screw design and wide temperature at-25°C to +70°C, RCS-2000 series is undoubtedly ideal for Factory Automation (CNC, AOI, Control/Monitor/ Data Gateway, etc.), IOT (Internet of Things), In-Vehicle (Infotainment, Fleet Management, etc.), Oil, Gas and Water and other Isolated related applications.







Specification

Chipset Valleyview 3 Memory 1 DDR3L 13 Video 1 DB 15 VG Dual Charr Audio 1 Mic-In, 1 I Software Support Windows 10 I/O Interface Serial Interface 6 COM Port LAN 2 Intel® GbE USB 4 USB 30, 16 DI, 16 D LED Power/HDD GPIO 16 GPIO Expansion PCI PCle 1 PCI & 1 F Mini PCle Slot 1 x miniPCle Power Supply Power Input 2-pin termin ATX: 2-Pin Power Input 0n-Board 1 Power Adaptor AC to DC, 4 Protection 0n-Board L Storage SATA 1 SATA II (3 Starage Network 10 Valley 10 Starage Network 10 Valley 10 Valley 10 Storage Network 10 Valley 10 Storage Network 10 Valley 10 Valley 10 Cother Network 10 Network 10 Valley 10 Power Cuput 0n-Board 1 Power Adaptor AC to DC, 4 Protection 0n-Board 1 Storage Network 10 Valley 10	333 SO-DIMM 8GB Max., SA, 1 DVI-D tel LVDS (RCS-2211 & RCS-2202 Only) Line-Out D, Windows 8.1, Windows 7, WES7, Linux & RTOS ts; 2 RS-232, 4 RS-232/422/485, 2 Isolated RS-232/422/485 (RCS-2211 & RCS ts; 2 RS-232, 2 RS-232/422/485 (RCS-2011 & RCS-2002) E WG82574L 2 USB 2.0 O (RCS-2211 & RCS-2202 Only)) PCI-ex1 Slots (RCS-2211 & RCS-2011), 2 PCI Expansion Slots (RCS-2202 & Re e socket (PCIe + USB+ SIM card socket) e socket (PCIe + USB+ SIM card socket) e socket (PCIe + USB) Tal block for DC-IN Remote Power On/Off Switch 36V		(5.3″)
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Protection On-Board L Storage SATA 1 SATA II (3 nSATA 1 CFast (or Other Watchdog Timer Reset: 1 to 3PS On-Board C Mechanical	2V (TOF Panel PC)		
Storage SATA 1 SATA II (3 mSATA 1 CFast (or Other Natchdog Timer Reset: 1 to GPS On-Board C Mechanical	+24V / 2.5A 60W Max. (Optional)		
SATA 1 SATA II (3 mSATA 1 CFast (or Other Watchdog Timer Reset: 1 to GPS On-Board C Mechanical	T4356 for High Voltage Surge Protection		0
mSATA 1 CFast (or Other Watchdog Timer Reset: 1 to GPS On-Board C Mechanical		252 (9.9")	
Other Watchdog Timer Reset: 1 to GPS On-Board C Mechanical	3Gbps) for SSD/HDD	252 (9.9)	
Watchdog Timer Reset: 1 to GPS On-Board C Mechanical	1 mSATA by request)		
Watchdog Timer Reset: 1 to GPS On-Board C Mechanical			
GPS On-Board G	255 sec./min. Per Step		
Mechanical	GPS Module (Optional)		
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Dimension (W x L x H) 210mm x 2	52mm x 134mm (8.3" x 9.9" x 5.3")		
Neight 3.5kg (7.7lb			
Mounting Wall-mount	by Mounting Bracket		, I
Environment			
	°C (-13°F to 157°F)		
	°C (-40°F to 185°F)		IV
	6 Humidity, Non-condensing		
Relative Humidity 95% at 70°C			
		1	•
	5Grms @5~500 Hz w/SSD, according to IEC60068-2-64	٥	8
EMC CE/FCC/EN	20 Grms, Half-sine 11 ms Duration w/ SSD, According to IEC60068-2-27	•	

Order Information

Part Number	Description
RCS-2211	Fan-less Robust Computing System with 1 PCI-ex1, 1 PCI, 1 SO-DIMM, 6 COM (2 Isolated COM),
	4 USB 3.0, 2 USB 2.0, 1 SATA II SSD HDD, Isolated DIO
RCS-2202	Fan-less Robust Computing System with 2 PCI, 1 SO-DIMM, 6 COM (2 Isolated COM),
	4 USB 3.0, 2 USB 2.0, 1 SATA II SSD HDD, Isolated DIO
RCS-2011	Fan-less Robust Computing System with 1 PCI-ex1, 1 PCI, 1 SO-DIMM, 4 COM, 4 USB 3.0, 2 USB 2.0, 1 SATA II SSD HDD
RCS-2002	Fan-less Robust Computing System with 2 PCI, 1 SO-DIMM, 4 COM, 4 USB 3.0, 2 USB 2.0, 1 SATA II SSD HDD
Option	Description
DDR3L8G	Certified DDR3L-1333 8G RAM
DDR3L4G	Certified DDR3L-1333 4G RAM
PWA-60WP2	60W, 24V/2.5A 100V AC to 240V AC Power Adapter for 2 Pin 3.5mm Terminal Block



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