

EMS-CDV IET Expansion



Model Name	EMS-CDV-6COM	EMS-CDV-5LAN	EMS-CDV 4COM Isolation	EMS-CDV-PoE	EMS-CDV-HDMI	EMS-CDV-DVI
Board	EBM-CDVS + AUX-M01	EBM-CDVS + AUX-M02	EBM-CDVS + AUX-M07	EBM-CDVS + AUX-M04	EBM-CDVS + EBM-BYTS DB-A	EBM-CDVS + EBM-CDVS DB-A
Processor	Intel® Atom™ D2550 2-Core 1.86GHz processor					
System Chipset	Intel® NM10 Express Chipset					
System Memory	1 x 204-Pin DDR3 1066MHz SO-DIMMup to 4 GB					
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step					
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control					
Expansion & Storage						
Expansion	2 x Mini PCIe					
Storage	1 x 2.5" Drive Bay, 1 x mSATA					
I/O						
USB	5 x USB 2.0					
COM Port	6 x RS-232/422/485 (BIOS)	2 x RS-232/422/485 (BIOS)	6 x RS-232/422/485 (BIOS)	2 x RS-232/422/485 (BIOS)	4 x RS-232/422/485 (BIOS)	2 x RS-232/422/485 (BIOS)
Other	1 x SIM Card Slot, 1 x SMBus, 2 x PS2/ KB & MS, 2 x Knockouts for Antenna Mounting					
DIO	1 x 12bit GPIO					
Display						
Chipset	Intel® Cedarview Integrated Graphics				Intel® Cedarview Integrated Graphics Supports dual display	
Resolution	VGA:Max. resolution 1920x1200 @ 60Hz				VGA : 1920x1200 @ 60Hz HDMI : 1920x1200 @ 60Hz	VGA : 1920x1200 @ 60Hz DVI-D : 1920x1200 @ 60Hz
Audio						
Audio Chipset	Realtek ALC892					
Audio Interface	Mic-In, Line-In and Line-Out					
Ethernet						
LAN Chip	1 x Intel® 82574L	5 x Intel® 82574L	1 x Intel® 82574L	5 x Intel® 82574L	1 x Intel®82574L 2 x Intel® I211AT	1 x Intel®82574L
Ethernet Interface	10/100/1000 Base-Tx GbE compatible					
LAN Port	1 x RJ-45	5 x RJ-45	1 x RJ-45	5 x RJ-45	3 x RJ-45	1 x RJ-45
Power Requirement						
Power Connector	Lockable DC Jack					
Power Requirement	+12V ~ +26V (TVS component for surge protection Reverse current/voltage protection)					
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant					
Power Mode	AT/ATX (ATX is default setting)					
Adapte	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter			Input: 100 ~ 240Vdc/ 50 ~ 60Hz; Output 120W Adapter (19V @ 6.32A Adapter) AC-DC Adapter		Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter
Mechanical & Environmental						
Construction	Aluminum + Metal + Plastic					
Mounting Kit	Wall Mount kit (Standard), VESA Mount kit (Optional)					
Dimension (L x W x H)	9.45" x 6.69" x 2.36" (240mm x 170mm x 60mm)					
Operating Temperature	(w/SSD, mSATA), ambient w/ air flow -10°C ~ 60°C (14°F ~ 140°F) (w/HDD), ambient w/ air flow 0°C ~ 45°C (32°F ~ 113°F)			(w/SSD, mSATA), ambient w/ air flow -15°C ~ 50°C (5°F ~ 122°F) (w/HDD), ambient w/ air flow 0°C ~ 40°C (32°F ~ 104°F)		(w/SSD, mSATA), ambient w/ air flow -10°C ~ 60°C (14°F ~ 140°F) (w/HDD), ambient w/ air flow 0°C ~ 45°C (32°F ~ 113°F)
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)					
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing					
Vibration Test	With SSD/mSATA : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis					
Shock Test	With SSD/mSATA : 50Grms, IEC 60068-2-27, Half Sine, 11ms					
Certifications & Software Support						
Certifications	CE, FCC Class B			CE, FCC Class A		CE, FCC Class B
OS Information	Win XP, Win 7, Linux					

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Embedded Computing-Rugged Fanless System