

EPC-T1000 Barebone System Series

Thin Barebone System with Embedded Low Profile Mini-ITX Motherboard



Features

- Thin design, only 1U height
- Thin, barebone system with multiple IO ports, suitable for a variety of environments with DC-in design
- Quick, easy installation of additional peripherals
- One 2.5" shock-resistant drive bay
- Supports wall/VESA/DIN-rail/Rack mount
- Locking type type DC power jack
- Supports WISE-PaaS/RMM

WISE-DeviceOn CE FCC RoHS

- Note: CE (No RED certification)

Specifications

Model Name	EPC-T1215	EPC-T1225	EPC-T1228
Order Number	AIMB-T1215DA-00Y0E	AIMB-T12250A-00Y0E	AIMB-T12282A-00Y0E
Barebone System	Description	Fan-based barebone, w/ adapter, w/o HDD, memory	Fan-based barebone, w/ adapter, w/o HDD, memory
Processor System	Compatible Motherboard	AIMB-215D-S6B1E	AIMB-225G2-00A1E
	Thermal solution	1x chassis fan (4cm/23.8CFM each)	1x chassis fan (4cm/23.8CFM each)
	CPU	Intel® Bay Trail Quad Core Celeron® J1900 (on board)	AMD G-series Quad Core GX-424CC (on board)
	BIOS	AMI 16 Mbit SPI	AMI 16 Mbit SPI
Memory	Socket	2 x 204 PIN DDR3 SODIMM (Non-ECC)	2 x 204 PIN DDR3 SODIMM (Non-ECC)
	Technology	DDR3L 1066/1333 MHz SDRAM	DDR3L 1333/1866 MHz SDRAM
	Max. Capacity	8 GB/up to 4 GB per SODIMM	16 GB/up to 8 GB per SODIMM
Graphics	Chipset Integrated	Integrated Intel HD Graphics	AMD Radeon™ HD 8000 series Graphics
			AMD Integrated Vega GCN
Storage	2.5" HDD bay	1 (support 2.5" HDD/SSD, max 9.5 mm height)	1 (support 2.5" HDD/SSD, max 9.5 mm height)
	mSATA Slot	1 (share w/ full size Mini-PCIe slot)	1 (share w/ full size Mini-PCIe slot)
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	LAN1: Realtek RTL8111E LAN2: Realtek RTL8111E	LAN1: Realtek RTL8111G LAN2: Realtek RTL8111G
	Connector	2 (RJ-45)	2 (RJ-45)
Audio	Chipset	Realtek ALC892, High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)
Internal Expansion Slot	Mini-PCIe	1+1 (Full-size, Half-size)	-
Front Panel	USB	4 (USB2.0)	4 (USB2.0)
	COM	5 (RS-232)	5 (4 x RS-232, 1 x RS-232/422/485)
	Audio Jack	2 (Line-Out, Mic-In)	2 (Line-Out, Mic-In)
	Antenna (optional)	up to 2	up to 2
Rear Panel	DP++	1	0
	DP/HDMI	0	4/0
	VGA	1	0
	DVI	0	1 (DVI-I)
	Lan	2 (RJ-45)	2 (RJ-45)
	USB	1 (USB3.0); 3 (USB2.0)	2 (USB3.0); 2 (USB2.0)
	Audio Jack	1 (Line-Out)	1 (Line-Out)
	Power Input	1 (DC Jack)	1 (DC Jack)
	COM	1 (RS-232)	0
Miscellaneous	LED Indicators	2 (Power LED, HDD LED)	2 (Power LED, HDD LED)
	Control	1 (Power Switch); 1 (Reset Switch)	1 (Power Switch); 1 (Reset Switch)
Power Requirements	Voltage	12V DC-in	12V DC-in
	Power Consumption	14.27W (idle with Intel Celeron J1900)	14.47W (idle with AMD G-series GX-424CC)
Environment	Operating Temperature	0 ~ 50 °C (32 ~ 122 °F)	0 ~ 50 °C (32 ~ 122 °F)
	Non-operating Temperature	-40 ~ 85 °C (-40 ~ 185 °F)	-40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing	10 ~ 95% @ 40 °C, non-condensing
	Vibration (5 ~ 500Hz)	1 Grms (HDD x 1); 3 Grms (SSD x 1)	1 Grms (HDD x 1); 3 Grms (SSD x 1)
Dimensions (W x H x D)	Dimensions (W x H x D)	250 x 43 x 210 mm (9.84" x 1.69" x 8.27")	250 x 43 x 210 mm (9.84" x 1.69" x 8.27")
Weight	Weight	3.1kg	3.1kg

EPC-T1000 Barebone System Series

Specifications

Model Name		EPC-T1215	EPC-T1217	EPC-T1232
Order Number		AIMB-T1215DW-00Y0E	AIMB-T1217DW-00Y0E	AIMB-T12325W-00Y10
Barebone BOM system	Description	Fanless barebone, w/ adapter, w/o SSD, memory	Fanless barebone, w/ adapter, w/o SSD, memory	Fanless barebone, w/ adapter, w/o SSD, memory
Processor System	Compatible Motherboard	AIMB-215D-S6B1E	AIMB-217D-S6A1E	AIMB-232G2-U5A1E
	Thermal solution	Fanless (0.7 m/s air flow)	Fanless (0.7 m/s air flow)	Fanless (0.7 m/s air flow)
	CPU	Intel® Bay Trail Quad core Celeron™ J1900 (on board)	Intel Pentium Quad Core N4200 (on board)	Intel Core™ i5-6300U (on board)
	BIOS	AMI 16 Mbit SPI	AMI 128 Mbit SPI	AMI uEFI 16 Mbit
Memory	Socket	2 x 204 PIN DDR3 SODIMM (Non-ECC)	2 x 204-pin DDR3L SO-DIMM (Non-ECC)	1 x 260 PIN DDR4 SO-DIMM (Non-ECC)
	Technology	DDR3L 1066/1333 MHz SDRAM	Dual channel DDR3L 1867 MHz SDRAM	DDR4 2133 MHz SDRAM
	Max. Capacity	8 GB/up to 4 GB per SODIMM	8 GB/8 GB per SO-DIMM	max 16GB
Graphics	Chipset integrated	Integrated Intel HD Graphics	Intel Gen 9 Graphics Engines and media encode/decode engine	Intel® HD Graphics 6000
Storage	2.5" HDD bay	1 (Only support 2.5" SSD, max 9.5 mm height)	1 (Only support 2.5" SSD, max 9.5 mm height)	1 (Only support 2.5" SSD, max 9.5 mm height)
	mSATA Slot	1 (share w/ full size Mini-PCIe slot)	1 (share w/ full size Mini-PCIe slot)	1 (share w/ full size Mini-PCIe slot)
	M.2	0	1 (E key for wireless module support)	
Ethernet	Interface	10/100/1000 Mbps	10/100/1000 Mbps	10/100/1000 Mbps
	Controller	LAN1: Realtek RTL8111E LAN2: Realtek RTL8111E	LAN1: Realtek RTL8111G LAN2: Realtek RTL8111G	LAN1: Intel Clarkville I219LM GbE PHY LAN2: Intel Springville I211 GbE (co-lay intel I210IT)
	Connector	2 (RJ-45)	2 (RJ-45)	2 (RJ-45)
Audio	Chipset	Realtek ALC892, High Definition Audio(HD)	Realtek ALC888S,High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)
Internal expansion Slot	Mini-PCIe	1+1 (Full-size, Half-size)	1 (F/S with SIM card holder)	1+1 (Full-size, SIM card holder)
Front Panel	USB	4 (USB2.0)	4 (USB2.0)	2 (USB2.0)
	COM	5 (RS-232)	5 (4 x RS-232, 1 x RS-232/422/485)	2 (support RS-232 and supports 5V/12V by jumper selecting)
	Audio Jack	2 (Line-Out, Mic-In)	2 (Line-Out, Mic-In)	2 (Line-Out, Mic-In)
	Antenna (optional)	up to 2	up to 2	up to 2
Rear Panel	DP++	1	0	1
	DP/HDMI	0	1	1
	VGA	1	1	0
	DVI	0	0	0
	Lan	2 (RJ-45)	2 (RJ-45)	2 (RJ-45)
	USB	1 (USB3.0); 3 (USB2.0)	4 (USB3.0)	4 (USB3.0)
	Audio Jack	1 (Line-Out)	1 (Line out)	2 (Line-Out, Mic-in)
	Power Input	1 (DC Jack)	1 (DC Jack)	1 (DC Jack)
COM	1 (RS-232)	1 (RS-232)	0	
Antenna (optional)	up to 2	up to 2	up to 2	
Miscellaneous	LED Indicators	2 (Power LED, HDD LED)	2 (Power LED, HDD LED)	2 (Power LED, HDD LED)
	Control	1 (Power Switch); 1 (Reset Switch)	1 (Power Switch); 1 (Reset Switch)	1 (Power Switch); 1 (Reset Switch)
Power Requirements	Voltage	12V DC-in	12V DC-in	12V DC-in
	Power Consumption	10.17W (idle with Intel Celeron J1900)	14.64W (idle Pentium N4200)	TBD
Environment	Operating Temperature (0.7m/s air flow)	0 ~ 45 °C (32 ~ 113 °F)**	0 ~ 45 °C (32 ~ 113 °F)**	0 ~ 45 °C (32 ~ 113 °F)**
	Non-operating Temperature	-40 ~ 85 °C (-40 ~ 185 °F)	-40 ~ 85 °C (-40 ~ 185 °F)	-40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing	10 ~ 95% @ 40 °C, non-condensing	10 ~ 95% @ 40 °C, non-condensing
	Vibration (5 ~5 00Hz)	3 Grms (SSD x 1)	3 Grms (SSD x 1)	3 Grms (SSD x 1)
Dimensions (W x H x D)	Dimensions (W x H x D)	250 x 43 x 210 mm (9.84" x 1.69" x 8.27")	250 x 43 x 210 mm (9.84" x 1.69" x 8.27")	250 x 43 x 210 mm (9.84" x 1.69" x 8.27")
Weight	Weight	3.12 kg	3.12kg	3.2kg

** : Under 0.7 m/s air flow SSD/mSATA are recommended

EPC-T1000 Barebone System Series

Front View



Rear View



With AIMB-215D



With AIMB-232



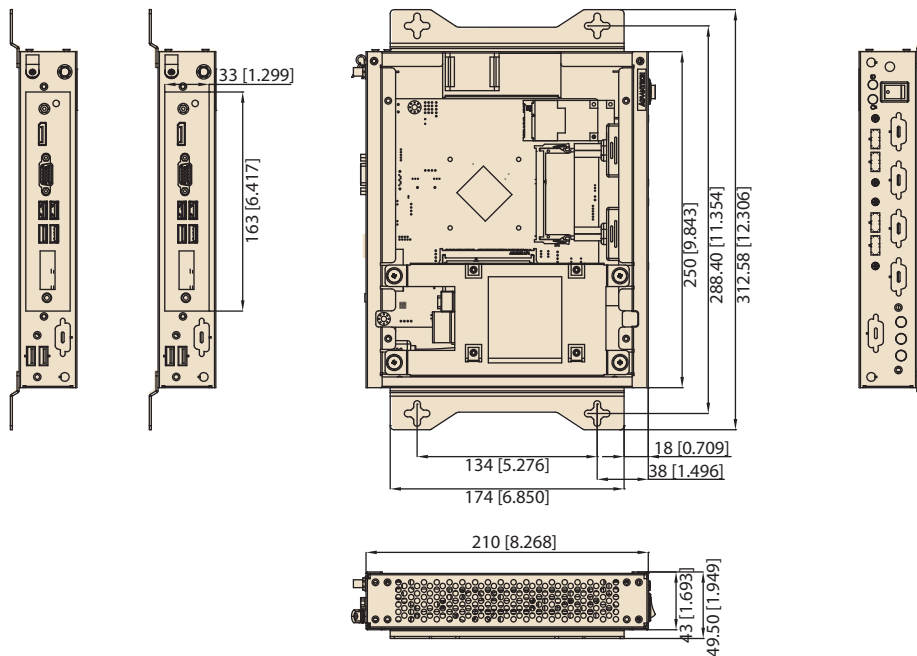
With AIMB-217



With AIMB-228

Dimensions

Unit: mm [inch]



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Ordering Information

Model Name	Part Number	Description	Supported MB	Front Panel			Rear Panel							Certification	
				USB 2.0/3.0	COM	Audio Jack	DP/DP++	DP/HDMI	DVI	VGA	LAN	COM	USB 2.0/3.0		Audio
EPC-T1215	AIMB-T1215DA-00Y0E	AIMB-T1215 barebone with 60W power adaptor	AIMB-215D-S6B1E	(4/0)	(5)	(2)	(1)	(0)	(0)	(1)	(2)	(1)	(3/1)	(1)	CE, FCC
	AIMB-T1215DW-00Y0E	AIMB-T1215 fanless barebone with 60W power adaptor	AIMB-215D-S6B1E	(4/0)	(5)	(2)	(1)	(0)	(0)	(1)	(2)	(1)	(3/1)	(1)	CE, FCC, CCC, BSMI
EPC-T1232	AIMB-T12325W-00Y10	AIMB-T1232 barebone with 60W power adaptor	AIMB-232G2-U5A1E	(2/0)	(2)	(2)	(1)	(1)	(0)	(0)	(2)	(0)	(0/4)	(2)	CE, FCC
	AIMB-T12323W-00Y10	AIMB-T1232 barebone with 60W power adaptor	AIMB-232G2-U3A1E	(2/0)	(2)	(2)	(1)	(1)	(0)	(0)	(2)	(0)	(0/4)	(2)	CE, FCC
EPC-T1217	AIMB-T1217DW-00Y0E	AIMB-T1217 fanless barebone with 60W power adaptor	AIMB-217D-S6A1E	(4/0)	(5)	(2)	(0)	(1/1)	(0)	(1)	(2)	(1)	(0/4)	(1)	CE/FCC
EPC-T1228	AIMB-T12282A-00Y0E	AIMB-T1228 barebone with 60W power adaptor	AIMB-228VG2-02A1E	(2/0)	(5)	(2)	(0)	(4/0)	(0)	(0)	(2)	(1)	(2/2)	(2)	CE/FCC

Packing List

Description	Quantity
Warranty Card	1
SATA Data+Power Cable	1
Power cable clamp	1
Rubber Feet Pad	4
Screw (For HDD)	6
Reserved Screw	2
Adapter	Based on P/N

Optional Accessories

Part Number	Description
AIMB-0BRK-WM02E	Wall Mounting Bracket
AIMB-0BRK-VM03E	VESA Mounting Bracket
AIMB-0BRK-DR02E	Din Rail Mounting Bracket
AIMB-0BRK-RM01E	Rack mount bracket
1700023474-01	2 ports USB cable for front panel, 345mm
1700022991-01	2 ports USB cable for rear panel, 100mm
1700022988-01	4 ports COM Cable for front panel, 130+170+210+250mm
1700022990-01	1 prot COM Cable for rear panel, 150mm
1700022992-01	2 ports Audio Cable for front panel, 200mm
96PSA-A60W12V1-1	60W Power Adapter, DC 12V/ 5.0A, AC 100-240VAC/ 1.5A 50-60Hz
96PSA-A84W12V1	84W Power Adapter, DC 12V/ 7.0A, AC 100-240VAC/ 1.3A 50-60Hz
1702002600	Power cord, 3-pin power cord (US)
1702002605	Power cord, 3-pin power cord (EU)
1702031801	Power cord, 3-pin power cord (UK)
1700000237	Power cord, 3-pin power cord with PSE (Japan)
1700000596	Power cord, 3-pin power cord (CCC)