

EPC-T1000 Barebone System Series

Thin Barebone System with Embedded Low Profile Mini-ITX Motherboard

NEW



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-PaaS/RMM CE FCC RoHS COMPLIANT PRODUCT

Specifications

Model Name	EPC-T1215	EPC-T1225	EPC-T1231	EPC-T1227
Order Number	AIMB-T1215DA-00Y0E	AIMB-T12250A-00Y0E	AIMB-T12315A-00Y0E	AIMB-T12272A-00Y0E
Barebone System	Description	Fan-based barebone, w/ adapter, w/o HDD, memory	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	AIMB-231G2-U5A1E
	Thermal solution	1x chassis fan (4cm/23.8CFM each)	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)	Intel Core™ i5-5350U (on board)
Memory	BIOS	AMI 16 Mbit SPI	AMI 16 Mbit SPI	AMI 128 Mbit SPI
	Socket	2 x 204 PIN DDR3 SODIMM (Non-ECC)	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	DDR3L 1600 MHz SDRAM
Graphics	Max. Capacity	8 GB/up to 4 GB per SODIMM	16 GB/up to 8 GB per SODIMM	16 GB/up to 8 GB per SODIMM
	Chipset Integrated	Integrated Intel HD Graphics	AMD Radeon™ HD 8000 series Graphics	Intel® HD Graphics 6000
	Chipset	Realtek ALC892, High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)
Storage	Chipset	Realtek ALC892, High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)
	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)	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)	1 (share w/ full size Mini-PCIe slot)
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 PHY i218-LM LAN2: Intel i210
	Connector	2 (RJ-45)	2 (RJ-45)	2 (RJ-45)
Audio	Chipset	Realtek ALC892, High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)	Realtek ALC892, High Definition Audio(HD)
	Internal Expansion Slot	Mini-PCIe	1+1 (Full-size, Half-size)	1+1 (Full-size, Half-size)
	USB	4 (USB2.0)	4 (USB2.0)	2 (USB2.0)
Front Panel	COM	5 (RS-232)	5 (4 x RS-232, 1 x RS-232/422/485)	2 (1 x RS-232, 1 x RS-232/422/485)
	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	1	1
	DP/HDMI	0	0	1
	VGA	1	0	0
	DVI	0	1 (DVI-I)	0
	Lan	2 (RJ-45)	2 (RJ-45)	2 (RJ-45)
	USB	1 (USB3.0); 3 (USB2.0)	2 (USB3.0); 2 (USB2.0)	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)	0	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	14.27W (idle with Intel Celeron J1900)	14.47W (idle with AMD G-series GX-424CC)	14.4W (idle with Intel ULTI i5 Processor)
Environment	Operating Temperature	0 ~ 50 °C (32 ~ 122 °F)	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)	-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 ~ 00Hz)	1 Grms (HDD x 1); 3 Grms (SSD x 1)	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")	250 x 43 x 210 mm (9.84" x 1.69" x 8.27")
	Weight	3.1kg	3.1kg	3.1kg

EPC-T1000 Barebone System Series

Specifications

Model Name		EPC-T1215 	EPC-T1217 	EPC-T1231 	EPC-T1232 
Order Number		AIMB-T1215DW-00Y0E	AIMB-T1217DW-00Y0E	AIMB-T12315W-00Y10	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	Fanless barebone, w/ adapter, w/o SSD, memory
Processor System	Compatible Motherboard	AIMB-215D-S6B1E	AIMB-217D-S6A1E	AIMB-231G2-U5A1E	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)	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™ i5-5350U (on board)	Intel Core™ i5-6300U (on board)
	BIOS	AMI 16 Mbit SPI	AMI 128 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 204 PIN DDR3 SODIMM (Non-ECC)	1 x 260 PIN DDR4 SO-DIMM (Non-ECC)
	Technology	DDR3L 1066/1333 MHz SDRAM	Dual channel DDR3L 1867 MHz SDRAM	DDR3L 1600 MHz SDRAM	DDR4 2133 MHz SDRAM
	Max. Capacity	8 GB/up to 4 GB per SODIMM	8 GB/8 GB per SO-DIMM	max 8GB	max 16GB
Graphics	Chipset integrated	Integrated Intel HD Graphics	Intel Gen 9 Graphics Engines and media encode/decode engine	Intel® HD Graphics 6000	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)	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)	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	10/100/1000 Mbps
	Controller	LAN1: Realtek RTL8111E LAN2: Realtek RTL8111E	LAN1: Realtek RTL8111G LAN2: Realtek RTL8111G	LAN1: Intel PHY i218-LM LAN2: Intel i210	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)	2 (RJ-45)
Audio	Chipset	Realtek ALC892, High Definition Audio(HD)	Realtek ALC888S, High Definition Audio(HD)	Realtek ALC892, 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, Half-size)	1+1 (Full-size, SIM card holder)
Front Panel	USB	4 (USB2.0)	4 (USB2.0)	2 (USB2.0)	2 (USB2.0)
	COM	5 (RS-232)	5 (4 x RS-232, 1 x RS-232/422/485)	2 (1 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)	2 (Line-Out, Mic-In)
	Antenna (optional)	up to 2	up to 2	up to 2	up to 2
Rear Panel	DP++	1	0	1	1
	DP/HDMI	0	1	1	1
	VGA	1	1	0	0
	DVI	0	0	0	0
	Lan	2 (RJ-45)	2 (RJ-45)	2 (RJ-45)	2 (RJ-45)
	USB	1 (USB3.0); 3 (USB2.0)	4 (USB3.0)	4 (USB3.0)	4 (USB3.0)
	Audio Jack	1 (Line-Out)	1 (Line out)	2 (Line-Out, Mic-in)	2 (Line-Out, Mic-in)
	Power Input	1 (DC Jack)	1 (DC Jack)	1 (DC Jack)	1 (DC Jack)
	COM	1 (RS-232)	1 (RS-232)	0	0
Antenna (optional)	up to 2	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)	2 (Power LED, HDD LED)
	Control	1 (Power Switch); 1 (Reset Switch)	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	12V DC-in
	Power Consumption	10.17W (idle with Intel Celeron J1900)	14.64W (idle Pentium N4200)	14.4W (idle with Intel ULTI i5 Processor)	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) **	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)	-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	10 ~ 95% @ 40 °C, non-condensing
	Vibration (5 ~ 500Hz)	3 Grms (SSD x 1)	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")	250 x 43 x 210 mm (9.84" x 1.69" x 8.27")
Weight	Weight	3.12 kg	3.12kg	3.2kg	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-225



With AIMB-232



With AIMB-231



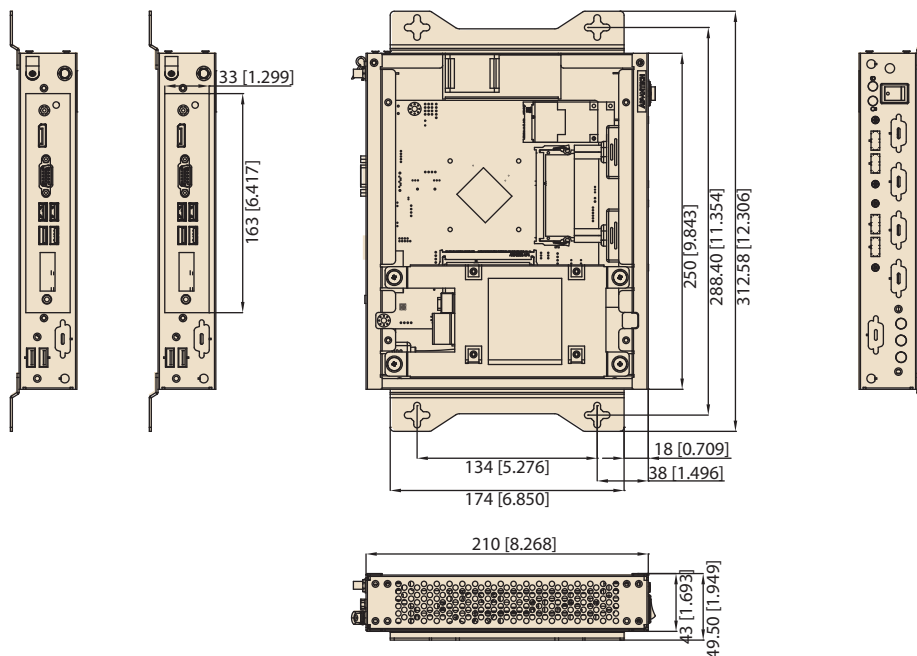
With AIMB-217



With AIMB-227

Dimensions

Unit: mm [inch]



EPC-T1000 Barebone System Series

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
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-T1231	AIMB-T12315A-00Y0E	AIMB-T1231 barebone with 60W power adaptor	AIMB-231G2-U5A1E	(2/0)	(2)	(2)	(1)	(1)	(0)	(0)	(2)	(0)	(0/4)	(2)	CE, FCC
	AIMB-T12313A-00Y0E	AIMB-T1231 barebone with 60W power adaptor	AIMB-231G2-U3A1E	(2/0)	(2)	(2)	(1)	(1)	(0)	(0)	(2)	(0)	(0/4)	(2)	CE, FCC
	AIMB-T12315W-00Y10	AIMB-T1231 Fanless barebone with 60W power adaptor	AIMB-231G2-U5A1E	(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-T1227	AIMB-T12272A-00Y0E	AIMB-T1227 barebone with 60W power adaptor	AIMB-227MG2-02A1E	(2/0)	(5)	(2)	(0)	(1/1)	(1)	(0)	(2)	(1)	(2/2)	(1)	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)

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