

AMOS Series

VIA

AMOS-5001

Fanless, Compact Embedded Chassis Kit for EITX-3001



Features

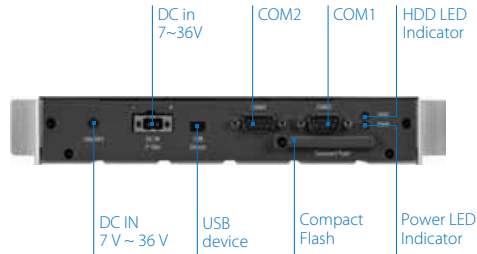
- Fanless operation
- Easy, quick installation and maintenance
- Anti-shock up to 50G with vibration resistant design to ensure extended reliability
- Modularized design with compact dimensions: 231.44 mm (W) x 35.2 mm (H) x 124.8 mm (D)
- Easy to use inter-changeable and customizable front and rear panels
- Build-in rich I/O functional feature cutouts for easy external access
- Maximum space efficiency for optimized electromagnetic compatibility

Specifications

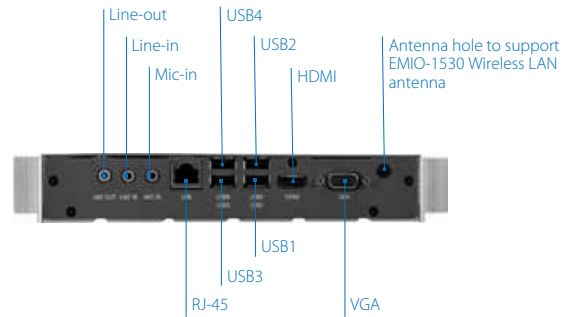
Model Name	AMOS-5001	
Chassis Construction	Construction	Metal chassis housing Dual front & rear metal face plates Aluminum bottom chassis housing mixed copper heat-pie (installed with EITX-3001 board)
	Dimension	231.44 mm (W) x 35.2 mm (H) x 124.8 mm (D) (when system equipped with aluminum bottom chassis housing) 231.44 mm (W) x 55.2 mm (H) x 124.8 mm (D) (when system equipped with aluminum bottom chassis housing and top optional storage chassis)
	Weight	0.4 Kg (front plate & rear plate & top cover) 0.75 Kg (front plate & rear plate & top storage chassis)
	Wall Mounting	Wall/table mountable left & right brackets
	VESA	VESA mounting by an adaptor bracket (optional) 75 mm x 75 mm, 100 mm x 100 mm
Front I/O Ports	LED	1 x Green color LED to indicate the Power on/off status 1 x Red color LED to indicate the HDD activities status
	COM	2 x D-Sub 9-pin connectors Reserved cutouts for additional support of 2 x D-Sub 9-pin connectors via cable located on front of storage chassis on top (when system is equipped with storage chassis)
	USB	1 x USB device port by a mini-DIN connector
	GPIO	Reserved cutout for additional support of 1 x D-Sub 9-pin connectors via cable located on front of storage chassis on top (when system is equipped with storage chassis)
	Power Input	1 x 2-pole Phoenix power input connector (onboard power input connector)
	Power on/off Switch	1 x ATX Power on/off button (onboard power on/off button)
Rear I/O Ports	VGA	1 x D-Sub 15-pin connector
	HDMI	Onboard 1 x dual-link HDMI connector with flange as JHDMI
	Gigabit LAN	1 x RJ-45 connectors as Giga LAN
	Quad USB 2.0	4 x USB 2.0 host ports by 2 pairs of double mini-DIN connector as USB1~USB4
	Audio	3 x 3.5Φ Audio Jack as Line-in, Line-out and Mic-in
Drive Bay	Antenna Hole	1 x Antenna hole to support EMIO-1530 Wireless LAN Antenna
	Compact Flash	Default support a Compact Flash socket from EITX-3001 board (P/N: AMOS-5001-1MZZA1)
Mounting	Supports table mount, wall mount (optional) Supports VESA mount (optional)	



Front System IO



Rear System IO



Specifications

Model Name	AMOS-5001	
Environmental Specifications	Operating Temperature	-20°C up to 55°C (when system only equipped with Compact Flash)
	Storage Temperature	-20°C ~ 60°C
	Relative Humidity	0 ~ 90% @ 45°C, non-condensing
	Vibration Loading During Operation	With Compact Flash disk: 5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis
	Shock During Operation	With Compact Flash disk: 50G, IEC 60068-2-27, half size, 11ms duration
Software Compatibility	Operation System	Microsoft Windows XP, Windows 7, Microsoft Windows XP Embedded Standard, Windows Embedded Standard 7, Linux Debian 6 (Kernel 2.6.32)

Ordering Information

Part Number	Description
AMOS-5001-1MZZA1	AMOS Embedded Chassis Kit for EITX-3001 Em-ITX Board
AMOS500111001-T	Bare Bone System, AMOS-5001 Chassis + 1.3GHz Nano E EITX-3001 System Board

Optional Accessories

*Note: The optional accessories may have minimum ordering quantity limitation. Please contact VIA Sales representative for more details.

External AC-to-DC Adapter and Power Cable	
Part Number	Description
99G63-020246	AC-to-DC adapter, DC 19V/90W with 2-pole Phoenix Power Plug
99G33-02032C	Power Cable, 180 cm, USA type
99G33-02033C	Power Cable, 180 cm, Europe type
99G33-02034C	Power Cable with PSE mark, 180 cm for Japan

WLAN USB Module	
Part Number	Description
EMIO-1530-A0A1	802.11 b/g Wireless LAN USB module for USA
EMIO-1530-A1A1	802.11 b/g Wireless LAN USB module for Europe

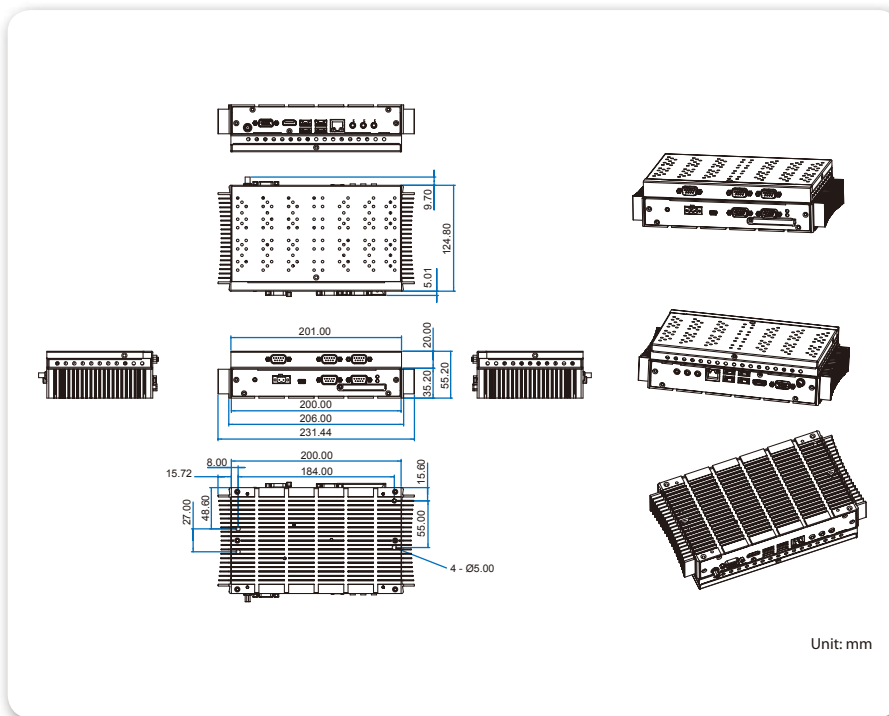
RAM Module, Flash Disk, and 2.5" Hard Disk Drive	
Part Number	Description
99G06-010598	2GB DDR2 800MHz, 128Mx8 SDRAM SODIMM, Industrial Grade, 0°C ~ 85°C
99G06-010588	1GB DDR2 800MHz, 128Mx8 SDRAM SODIMM, Industrial Grade, 0°C ~ 85°C
99G61-060011	1GB Compact Flash Disk, Industrial Grade, -40°C ~ 85°C
99G61-060021	2GB Compact Flash Disk, Industrial Grade, -40°C ~ 85°C
99G61-060031	4GB Compact Flash Disk, Innodisk, Industrial Grade, -40°C ~ 85°C

Optional Accessories

*Note: The optional accessories may have minimum ordering quantity limitation. Please contact VIA Sales representative for more details.

Embedded OS (Only available for T-Parts OEM service)	
Part Number	Description
POS-MEXSLI-ENS00	Windows XP Embedded Standard Image & License English Version
POS-ME7SLI-ENS00	Windows XP Embedded Standard 7 32-bit Image & License English Version
POS-DLNXLI-ENS03	Debian Linux Image & License English Version

Dimensions



Packing List

Item for AMOS-5001-1MZZA1
1 x AMOS-5001 front I/O panel
1 x AMOS-5001 rear I/O panel
1 x AMOS-5001 top cover
2 x Hex screw pack
1 x Screws package (for fastening chassis kits)
1 x Compact Flash door
1 x Antenna cover
1 x Quick Guide

Item for AMOS-5001-1MSZA1
1 x AMOS-5001 front I/O panel
1 x AMOS-5001 rear I/O panel
1 x AMOS-5001 top storage chassis top case
1 x AMOS-5001 top storage chassis bottom case
1 x Digital I/O cable
2 x COM port ribbon cable
2 x Hex Screw pack
1 x Screws package (for fastening chassis kits)
1 x Compact Flash door
1 x Antenna cover
1 x Quick Guide