

## AMOS Series

VIA

# AMOS-5000

Fanless, Compact  
Embedded Chassis for  
EITX-3000



## Features

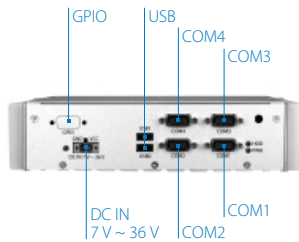
- Fanless operation from -20°C up to 55°C
- Easy, quick installation and maintenance with only five parts
- Anti-shock up to 50G with vibration resistant design to ensure extended reliability
- Modularized design with compact dimensions: 232 mm (W) x 53 mm (H) x 126 mm (D)
- Easy to use inter-changeable and customizable front and rear panels
- Build-in common I/O functional feature cutouts for easy external access
- Maximum space efficiency for optimized electromagnetic compatibility

## Specifications

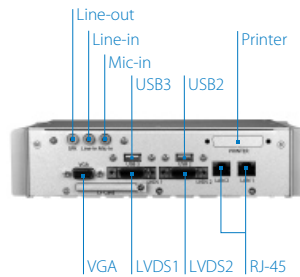
Model Name		AMOS-5000
Chassis Construction	Construction	Metal chassis housing Dual front & rear faceplates Aluminum bottom chassis housing mixed copper heat-pie (installed with EITX-3000 board) Optional storage sub-system chassis on the top of system
	Dimension	232 mm (W) x 53 mm (H) x 126 mm (D) (when system equipped with aluminum bottom chassis housing) 232 mm (W) x 73 mm (H) x 126 mm (D) (when system equipped with optional storage sub-system chassis)
	Weight	0.4 Kg (front plate & rear plate & top cover) 0.75 Kg (front plate & rear plate & top storage sub-system chassis)
Front I/O ports	LED	1 x Green color LED (onboard LED) 1 x Red color LED (onboard LED)
	COM	4 x Front-access COM ports by 4 x D-Sub 9-pin connectors (onboard 2 x RS232/422/485 by 2 x DB-9 connectors of COM 1 ~ 2, with support of RS485 AutoFlow control, 2 x RS232 by 2 x DB-9 connectors of COM 3 ~ 4)
	USB	2 x Front-access USB ports (onboard 2 x USB connectors, USB 2.0 compliant)
	GPIO	1 x Rear-access GPIO port by D-sub 9-pin male connector (default GPIO cable to support GPIO connector)
	Power Input	1 x 2-pole Phoenix power input connector (onboard power input connector)
	Power On/Off Switch	1x ATX Power on/off button (onboard power on/off button)
	Antenna Hole	1 x Antenna hole to support optional Wireless LAN module
Rear I/O ports	VGA	1 x Rear-access D-sub 15-pin VGA connector (onboard D-Sub 15-pin VGA connector)
	LVDS	2 x Rear-access D-sub 26-pin LVDS connectors (onboard 2 x DB-26 connectors as LVDS_1 and LVDS_2)
	LAN	2 x Rear-access RJ-45 connectors (onboard 2 x GigaLAN connectors as Giga LAN_1 and Giga LAN_2)
	USB	2 x Rear-access DIN connectors (default USB cable to support USB connectors)
	Audio	3 x Front-access 3.5Φ audio jack as speaker, Line-in and Mic-in (default audio cable to support audio connectors)
	Parallel	1 x Rear-access parallel port by an optional D-Sub 25-pin female connector LPT cable (The LPT cable will not be supported when using 2.5-inch hard drive)
	Board-Level Support	Compatibility
Drive Bay	HDD Bay	Default support 1 x 2.5" SATA hard disk drive bay locate underneath top cover by P/N AMOS-5000-1MZZA1 P/N AMOS-5000-1MSZA1, supporting 2 x 2.5" SATA hard disk drive bays through an additional storage chassis located above top cover
		Compact Flash



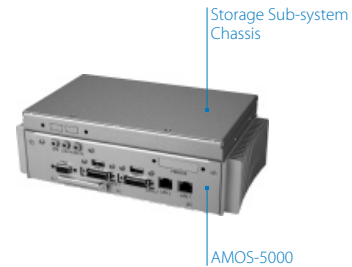
### Front System IO



### Rear System IO



### Combination of AMOS-5000 and Sub-system Chassis



## Specifications

<b>Model Name</b>	<b>AMOS-5000</b>
<b>Mounting</b>	Supports table mount, wall mount (optional)
<b>Environmental Specifications</b>	<b>Operating Temperature</b>
	0°C ~ 45 °C (when system equipped with HDD) -20 up to 55°C (when system only equipped with Compact Flash)
	<b>Storage Temperature</b>
	-20°C ~ 60 °C
	<b>Relative Humidity</b>
	0 ~ 90% @ 45°C, non-condensing
	<b>Vibration Loading During Operation</b>
With Compact Flash disk: 5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis With hard disk drive under top cover (P/N: AMOS-1000-1MZZA1) 1Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis	
<b>Shock During Operation</b>	
With Compact Flash Drive: 50G, IEC 60068-2-27, half size, 11ms duration With hard disk drive under top cover (P/N: AMOS-1000-1MZZA1) 20G, IEC 60068-2-27, half size, 11ms duration	
<b>EMC Approved</b>	CE, FCC,CCC Class A

## Ordering Information

Part Number	Description
AMOS-5000-1MZZA1	AMOS Embedded Chassis for EITX-3000 Em-ITX Board, with 1 x HDD Bay
AMOS-5000-1MSZA1	AMOS Embedded Chassis for EITX-3000 Em-ITX Board, with 2 x HDD Bay

## 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
AMOS-5000-1WZZA1	Upper mounting brackets for wall mount and table mount
AMOS-5000-2WZZA1	Bottom mounting bracket for wall mount and table mount

## WLAN USB Module

Part Number	Description
EMIO-1530-00A1	802.11 b/g Wireless LAN USB module for USA
EMIO-1530-10A1	802.11 b/g Wireless LAN USB module for Europe

## Optional Accessories

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

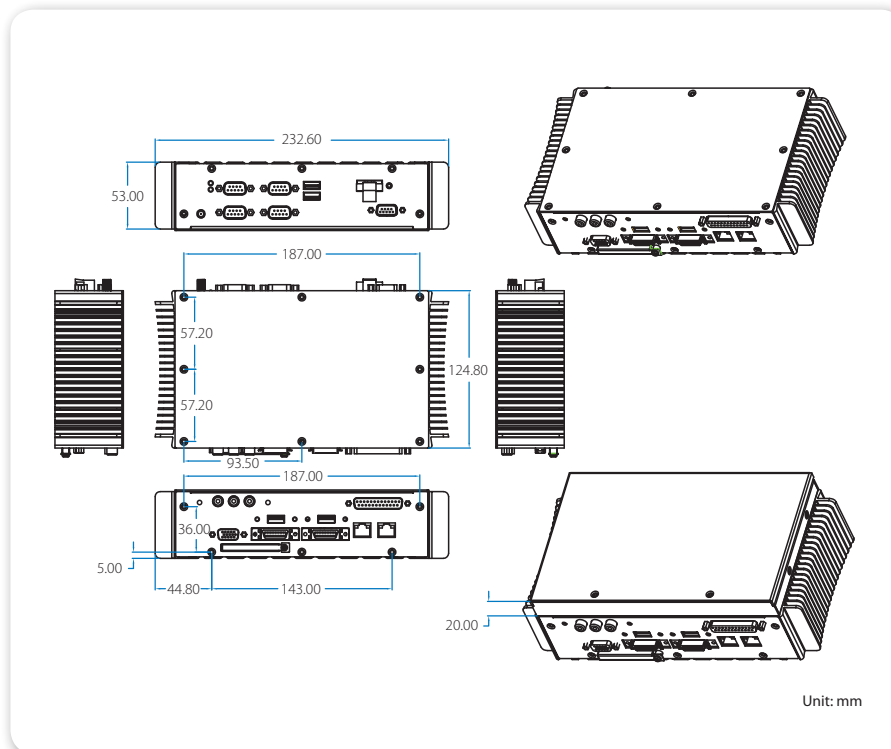
### RAM Module, Flash Disk, and 2.5" Hard Disk Drive

Part Number	Description
99G06-010598	2GB DDR2 800MHz, 128Mx8 SDRAM SODIMM, industrial grade, 0 ~ 85°C
99G06-010588	1GB DDR2 800MHz, 128Mx8 SDRAM SODIMM, industrial grade, 0 ~ 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, industrial grade, -40°C ~ 85°C

### Embedded OS (Only available for T-Parts OEM service)

Part Number	Description
POS-MEXSLI-ENS05	Windows XP Embedded Standard Image & License, English Version
POS-ME7SLI-ENS05	Windows Embedded Standard 7 32-bit Image & License, English Version
POS-DLNxLI-ENS04	Debian Linux 6 (Kernel 2.6.32) Image & License English Version

## Dimensions



## Packing List

- 1 x AMOS-5000 front I/O panel
- 1 x AMOS-5000 rear I/O panel
- 1 x AMOS-5000 top cover
- 1 x AMOS-5000 CF cover
- 1 x Cable tie package
- 1 x Audio cable
- 1 x GPIO cable
- 1 x Screws package  
(for fastening chassis kits)