

## AMOS Series

NEW

VIA

# AMOS-5210

Fanless, Compact Embedded Chassis Kit for EITX-3000 Embedded Board Stacked with EMIO-3210 I/O Card



## Features

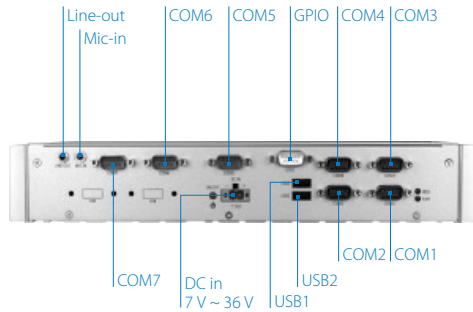
- Fanless operation from -20°C up to 55°C
- High, scalable performance with low power consumption
- Easy, quick installation and maintenance
- Anti-shock up to 50G with vibration resistant design to ensure extended reliability
- Modularized design with compact dimensions: 330.6mm (W) x 54.2mm (H) x 124.8mm (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

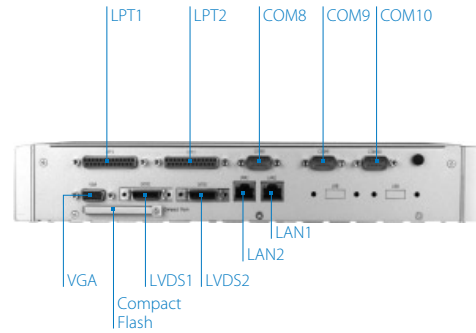
Model Name	AMOS-5210	
<b>Chassis Construction</b>	<b>Construction</b>	Metal Chassis Housing Dual front & rear metal face plates Aluminum bottom chassis housing mixed copper heat-pie (installed with EITX-3000 board)
	<b>Dimension</b>	330.6mm (W) x 54.2mm (H) x 124.8 mm (D) (when system equipped with aluminum bottom chassis housing)
	<b>Weight</b>	0.7 Kg (front plate & rear plate & top cover plate) 2.4 Kg (front plate & rear plate & top cover plate & aluminum bottom chassis housing)
<b>Front I/O Ports</b>	<b>LED</b>	1 x Green color LED to indicate the Power on/off status 1 x Red color LED to indicate the HDD activities status
	<b>COM</b>	7 x Front-access COM ports by 7 x D-Sub 9-pin connectors (onboard 5 x RS232/422/485 by 5 x DB-9 connectors of COM 1, 2 and COM5~7, with support of RS485 AutoFlow Control, 2 x RS232 by 2 x DB-9 connectors of COM 3 ~ 4)
	<b>USB</b>	2 x Front-access USB ports (onboard 2 x USB connectors, USB 2.0 compliant) Reserved cutouts for additional support of 2 x mini-DIN connectors via cable located on front plate, when system is equipped with Compact Flash only
	<b>GPIO</b>	1 x Front-access GPIO port by D-sub 9-pin male connector (optional GPIO cable to support GPIO connector)
	<b>Audio</b>	2 x Front-access 3.5Φ audio jack as Line-out and Mic-in (via board to board cable from audio pin header of EITX-3000 board)
	<b>Power Input</b>	1 x 2-pole Phoenix power input connector (onboard power input connector)
	<b>Power on/off Switch</b>	1 x ATX Power on/off button (onboard power on/off button)
<b>Rear I/O Ports</b>	<b>COM</b>	3 x Rear-access COM ports by 3 x D-Sub 9-pin connectors (onboard 3x RS232/422/485 by 3 x DB-9 connectors of COM8~10)
	<b>Parallel</b>	2 x Rear-access 25-pin LPT connectors (onboard 2 x 25-pin LPT connectors as LPT_1 and LPT_2)
	<b>USB</b>	Reserved cutouts for additional support of 2 x mini-DIN connectors via cable located on rear plate, when system is equipped with Compact Flash only
	<b>LVDS</b>	2 x Rear-access D-sub 26-pin LVDS connectors (onboard 2 x DB-26 connectors as LVDS_1 and LVDS_2)
	<b>LAN</b>	2 x Rear-access RJ-45 connectors (onboard 2 x GigaLAN connectors as LAN_1 and LAN_2)
	<b>VGA</b>	1 x Rear-access D-sub 15-pin VGA connector (onboard D-Sub 15-pin VGA connector)
	<b>Antenna Hole</b>	1 x Antenna hole to support optional Wireless LAN module



## Front System IO



## Rear System IO



## Specifications

<b>Model Name</b>	<b>AMOS-5210</b>	
<b>Drive Bay</b>	<b>HDD Bay</b>	Default support 1 x 2.5" SATA hard disk drive bay located at aluminum bottom chassis housing by P/N of AMOS-5210-1MZZA1
	<b>Compact Flash</b>	Default support a Compact Flash type I/II socket from EITX-3000 board
<b>Mounting</b>	Supports table mount, wall mount (optional)	
<b>Environmental Specifications</b>	<b>Operating Temperature</b>	0°C up to 45 °C (when system equipped with HDD) -20°C ~ 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 2.5" hard disk drive located at aluminum bottom chassis housing by P/N of AMOS-5210-1MZZA1 1Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis	
	<b>Shock During Operation</b> With Compact Flash disk: 50G, IEC 60068-2-27, half size, 11ms duration With 2.5" hard disk drive located at aluminum bottom chassis housing by P/N of AMOS-5210-1MZZA1 20G, IEC 60068-2-27, half size, 11ms duration	
<b>EMC Approved</b>	CE, FCC,CCC Class A	
<b>Safety Approved</b>	CB, CCC	

## Ordering Information

Part Number	Description
AMOS-5210-1MZZA1	AMOS Embedded Chassis Kit Compatible with EITX-3000 + EMIO-3210
AMOS521010001-T	Bare Bone System, AMOS-5210 Chassis + 1.3 GHz Nano™-E EITX-3000 System Board + EMIO-3210-00A1 Bundle
AMOS521010002-T	Bare Bone System, AMOS-5210 Chassis + 1.0 GHz Nano™-E EITX-3000 System Board + EMIO-3210-00A1 Bundle

## Optional Accessories

External AC-to-DC Adapter and Power Cable	
Part Number	Description
99G63-020186	AC-to-DC adapter, DC 19V/90W with 2-pole Phoenix Power Plug
99G33-02058C	Power Cable, 180 cm, USA type
99G33-02057C	Power Cable, 180 cm, Europe type
99G42-091316-A1	Mounting brackets for both wall and table mount

## Optional Accessories

### 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

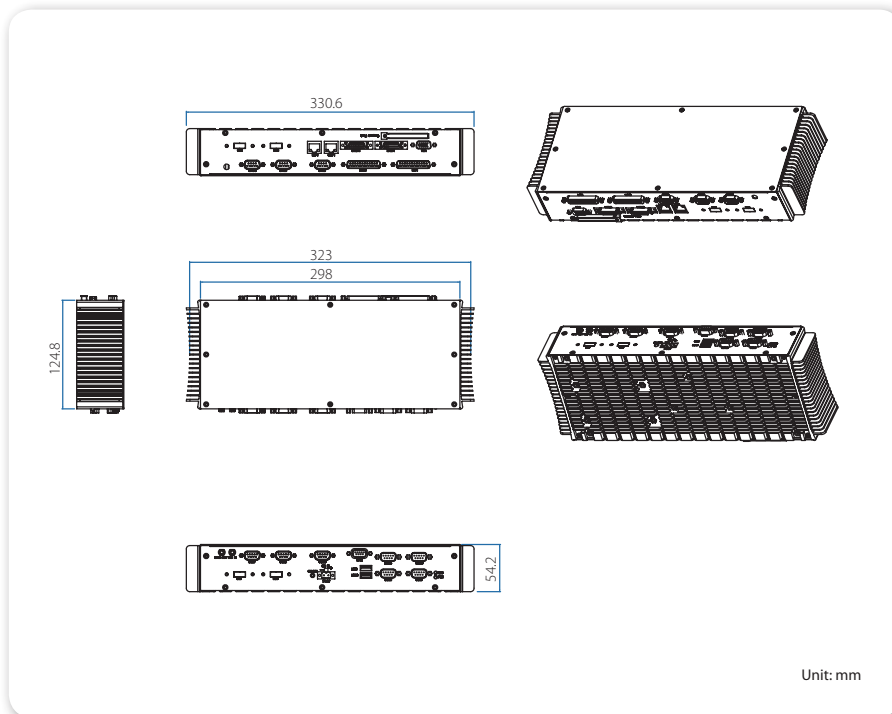
### RAM Module, Flash Disk, and 2.5" Hard Disk Drive

Part Number	Description
99G06-010408	2GB DDR2 667MHz, 128Mx8 SDRAM SODIMM, Industrial Grade, for using at environmental temperature up to 50°C
99G06-010398	1GB DDR2 667MHz, 128Mx8 SDRAM SODIMM, Industrial Grade, for using at environmental temperature up to 50°C
99G06-010178	1GB DDR2 667MHz, 64Mx8 SDRAM SODIMM, Industrial Grade, -40 ~ 85°C
99G06-010338	1GB DDR2 667MHz, 64Mx8 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
99G61-020146	250GB, TOSHIBA 2.5" SATA HDD 5400RPM
99G61-020156	320GB, TOSHIBA 2.5" SATA HDD 5400RPM

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

Part Number	Description
POS-MXPELI-ENS04	Windows XP Embedded SP3 OS image and license, English version

## Dimensions



## Packing List

- 1 x AMOS-5210 front I/O panel
- 1 x AMOS-5210 rear I/O panel
- 1 x AMOS-5210 top cover
- 1 x Board to board audio cable
- 1 x Digital I/O cable
- 1 x SATA data and power 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