

AMOS Series

VIA

AMOS-2000

Embedded Chassis System
for Nano-ITX Embedded
Boards



Features

- A universal compact embedded chassis supporting Nano-ITX embedded boards
- Additional expansion sub-system chassis with storage (2nd HDD / slim ODD / CF / DOM) chassis
- Ready for comprehensive I/O expansion, including:
 - Removeable front I/O panel
 - Reserved cutouts for various I/O ports on rear I/O panel
 - Reserved Space for mounting the LPC-02, PUSB-01, WLAN module
- Bottom plate opening for CF / Mini PCI sockets
- WiFi networking options
- Multiple mounting solutions: Wall / Table / VESA mountable
- Compatible sub-system expansion chassis

Specifications

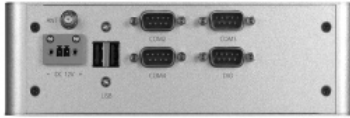
Model Name	AMOS-2000	
Chassis Construction	Construction	Heavy duty steel SECC with ID by painting 1mm alloy
	Dimension	190 mm (W) x 60 mm (H) x 190 mm (D)
	Weight	1.3 kg
Front and Rear I/O Ports	All connections are additionally through the I/O panel (Please refer to the product specifications of VIA Nano-ITX series for more extensions)	
Board-Level Support	Compatibility	Compatible with various VIA Nano-ITX embedded boards
Drive Bay	HDD Bay	1 x 2.5" SATA Hard disk drive bay on bottom plate
	Compact Flash	Supports a Compact Flash card with a Nano-ITX board comprising Compact Flash socket
	DOM Flash Drive	Supports a Disk On Module (DOM) Flash
Cooling System	System Fan	1 x 4cm*4cm system fans (venting holes on sides plates)
Power Supply	Power Source	DC Input DC 12V (Default built-in PWB-N550 DC to DC power board)
	Power Input Connector	2-pole Phoenix connector
	Power ON/OFF	1 x power on/off switch
Mechanical Specifications	Mounting	Default support table mount and wall mount VESA mount by optional VESA mount bracket
	System Indicator	1 x Power on LED (green) 1 x HDD LED (red)
Environmental Specifications	Operation Temperature	Temperature: 0°C ~ 45°C
	Relative Humidity	Humidity: 0 ~ 90% @ 45°C, non-condensing
	Storage Temperature	-10°C ~ 65 °C@ 90%, non-condensing
	Vibration Loading During Operation	1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 oct/min, 1hr/axis
Shock During Operation	20 G, IEC 60068-2-27, half sine, 11 ms duration	



System I/O



* Front I/O cutouts are subject to the I/O panel of Nano-ITX boards.



* Rear I/O cutouts are subject to the I/O panel of Nano-ITX boards.

Combination of AMOS-2000 and Sub-system



Ordering Information

Part Number	Description
AMOS-2000-1MZZA1	Chassis for EPIA NR Board, with 60W Power Board, 1 x 2.5" HDD Drive Bay, Reserved Cutouts of 4 x COM
AMOS-2000-2MZZA1	Chassis for EPIA-N700 Board, with 1 x 2.5" HDD Drive Bay, Reserved Cutouts of 2 x USB, 3 x COM, 1 x GPIO
AMOS-2000-1MSZA1	AMOS-2000-1MZZA1 with Storage Sub-system Chassis, Additional Support 1 x Slim ODD Drive Bay
AMOS-2000-2MSZA1	AMOS-2000-2MZZA1 with Storage Sub-system Chassis, Additional Support 1 x Slim ODD Drive Bay

Ordering Information (Built-in Nano-ITX Board)

Part Number	Built-in Nano-ITX Board	Description
AMOS200009002-T	EPIA-N700 (1.5GHz VIA C7® CPU)	AMOS-2000-2MZZA1 Embedded Chassis, with EPIA-N700 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
99G63-020216	AC-to-DC adapter, 2-pole, DC 12V/5A, 60W, with 2-pole Phoenix Power Plug
99G63-020316	AC-to-DC adapter, 2-pole, DC 12V/5A, 60W, with 2-pole Phoenix Power Plug
99G33-02032C	Power cable, 180 cm, USA type
99G33-02034C	Power cable with PSE mark
99G33-02033C	Power cable, 180 cm, Europe type
99G33-02031C	Power cable, 180 cm, UK type

RAM Module, DOM, Compact Flash

Part Number	Description
99G06-010188	512MB DDR2 667MHZ DRAM DIMM, Industrial Grade, 0°C ~ 85°C, for EPIA-N700
99G06-010178	1GB DDR2 667MHZ DRAM DIMM, Industrial Grade, 0°C ~ 85°C, for EPIA-N700
99G61-060011	1GB Compact Flash Disk, for EPIA-N700
99G61-060021	2GB Compact Flash Disk, for EPIA-N700
99G61-060031	4GB Compact Flash Disk, for EPIA-N700
99G61-050073	1GB, IDE 40-pin Flash Disk On Module(DOM), Standard Grade, 0°C ~ 70°C, for EPIA NR
99G61-050083	2GB, IDE 40-pin Flash Disk On Module(DOM), Standard Grade, 0°C ~ 70°C, for EPIA NR
99G61-060041	1GB Compact Flash Disk, for EPIA NR
99G61-060051	2GB Compact Flash Disk, Standard Grade, for EPIA NR
99G61-060061	4GB Compact Flash Disk, Standard Grade, for EPIA NR

Slim ODD, Hard Disk Drive

Part Number	Description
99G62-030011	DVD RW, 8X, SATA interface

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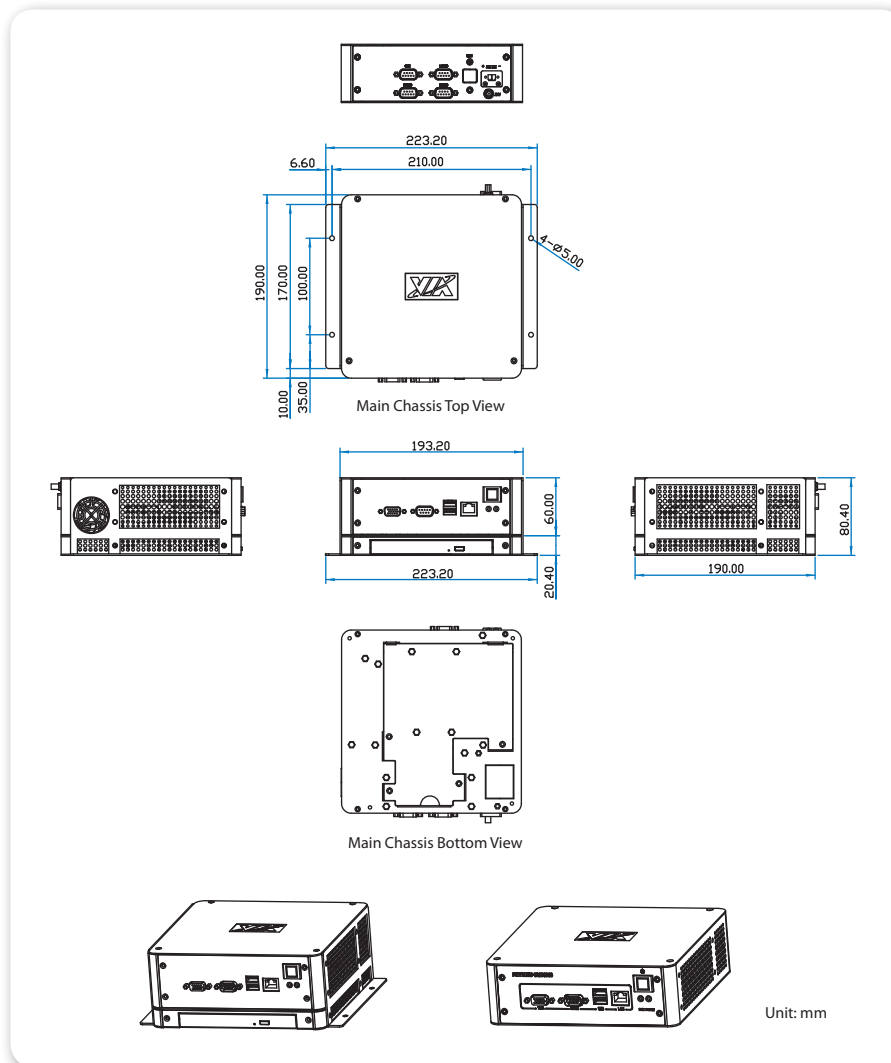
WLAN USB Module

Part Number	Description
EMIO-1530-60A1	802.11 b/g Wireless LAN USB module with cables, USA type
EMIO-1530-70A1	802.11 b/g Wireless LAN USB module with cables, Europe type

Mount Bracket

Part Number	Description
99G42-090836-A2	VESA mount bracket

Dimensions



Packing List

- 1 x Screw package for boards
- 1 x Screw package for mount bracket
- 1 x Cable tie and tie mount package
- 1 x Left wall mount bracket
- 1 x Right wall mount bracket
- 1 x 2-pin Phoenix connector to DC jack cable
- 1 x SATA HDD cable
- 1 x Two port USB cable
- 1 x Washer rubber package
- 1 x SATA HDD power cable (only for EPIA-N700)
- 1 x GPIO cable (only for EPIA-N700)
- 3 x COM port cables (only for EPIA-N700)