

VIA AMOS-5000 Series

Compact and Fanless Embedded Chassis Kits Fullfilling Various Applications



- Easy Integration
- Quick Setup
- Convenient Maintenance



Digital Signage

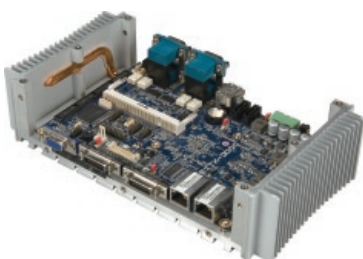


Kiosk/Factory Automation






Vehicle/Fleet Management

VIA Embedded provides a variety of AMOS-5000 series chassis kits to fulfill customer's needs for various applications. VIA AMOS-5000 series chassis kits help customers to quickly deploy a suitable fanless industrial computer based on the VIA Em-ITX embedded board and Em-IO expansion modules. Through the quick setup and integration of EITX-3000 and Em-IO cards, the AMOS-5110, AMOS-5210, and AMOS-5430 embody the flexibility of the Em-ITX form factor in extending application purposes from digital signage, kiosk/factory automation and fleet management. These fanless modularized industrial chassis kits successfully reduce customer development costs and provide more application options to convert orders quickly.



The CPU and chipset of VIA EITX-3000 are placed on the bottom side of the board. The "U" type heatsink not only dissipates heat, but also has a secondary function as part of the chassis design. The integrated partial chassis design allows the system to have flexibility in upgrading while remaining fanless.

Specifications

Model Name	AMOS-5110	AMOS-5210	AMOS-5430			
						
Applications	Digital Signage	Kiosk/Factory Automation	Vehicle/Fleet Management			
Chassis Construction	Dimension 232.2 (w) x 73.2 (H) x 126 mm (D) Weight 2.8 kg Mounting Wall/VESA/Table mount (optional)	Dimension 330.29 (w) x 54.2 (H) x 124.8 mm (D) Weight 2.4 kg Mounting Wall/Table mount (optional)	Dimension 232.2 (w) x 73.2 (H) x 126 mm (D) Weight 2.8 kg Mounting Wall/VESA/Table mount (optional)			
System Indicator	1 x Green color LED for power on/off.	1 x Red color LED for HDD activity				
Front Panel I/O	4 x COM, 2 x USB, 1x DB-9 for 8-bit DIO, 1 x 2-pole DC power input, 1x ATX power on/off, 1 x VGA and 1 x WLAN antenna hole	7 x COM, 2 x mini-DIN USB2.0, 1 x 8-bit Digital I/O, 2 x audio jacks, 1 x 2-pole DC power input, 1 x ATX power on/off and reserved 2 cutouts for mini-DIN connectors of 2 USB ports	4 x COM, 2 x USB, 1x DB-9 for 8-bit DIO, 3 x audio jacks, 1 x 2-pole DC power input, 1x ATX power on/off and 1 x WLAN antenna hole			
Rear Panel I/O	1 x VGA, 2 x LVDS, 2 x Giga LAN, 2 x HDMI, 2 x DVI, Mic-in and Speaker out	3 x COM, 1 x VGA, 2 x LVDS, 2 x Giga LAN, 1 x antenna WLAN hole and reserved 2 cutouts for mini-DIN connectors of 2 USB ports	1 x VGA, 2 x LVDS, 2 x Giga LAN and 1 x antenna hole			
Drive Bay	Default Support <ul style="list-style-type: none"> • 1 CF card socket • 1 x 2.5" SATA HDD bay Optional support 2nd HDD bay	Default Support <ul style="list-style-type: none"> • 1 CF card socket • 1 x 2.5" SATA HDD bay 	Default Support <ul style="list-style-type: none"> • 1 CF card socket • 1 x 2.5" SATA HDD bay Optional support 2nd HDD bay			
Operating Temperature	Compact Flash: 20°C up to 45°C HDD: 0°C up to 45°C	Compact Flash: -20°C ~ 55°C HDD: 0°C up to 45°C	Compact Flash: 20°C up to 45°C HDD: 0°C up to 45°C			
Em-ITX Embedded Board	Mainboard EITX-3000 Chipset VIA VX800 Unified Digital Media IGP Chipset BIOS Award BIOS. SPI 8Mbit Flash memory onboard Memory 1x DDR2 533/667, 200-pin SDRAM SODIMM socket. Up to 2GB Graphic Integrated VIA Chrome 9™ HC3 DX9 3D/2D graphics with MPEG-2, WMV9 video decoding acceleration, support 1x VGA port and 2 x LVDS ports Ethernet 2 x Onboard VIA VT6130 Gigabit Ethernet controllers HD Audio VIA VT1708B High Definition Audio Codec Storage 2 x 2.5" SATA II ports and 1 x Compact Flash type I/II socket Expansion Slot 1 x Em-IO bus expansion interface USB 6 x onboard USB ports <ul style="list-style-type: none"> • 2 x USB2.0 ports by mini-DIN connector on the front • 4 x USB 2.0 ports by pin headers onboard COM Ports Supports 4 COM ports (2 x RS232/422/485 and 2 x RS232 configured via BIOS setup)					
Em-IO Card	EMIO-3110	EMIO-3210	EMIO-3430			
	Display Engine	S3 Graphics 4300E GPU Chipset	Fintek F81865	PC Card Interface	1 x PC card slot	
	Display Memory	256MB GDDR3 SDRAM	Serial Port	6 x RS-232 /422 /485	GPS Module (Optional)	1 x Reserved UART interface socket for optional GPS
	Display Interface	2 x HDMI, 2 x DVI, 1 x CRT/VGA, 1 x TV-out (Optional)	Parallel Port	2 x LPT ports	Bluetooth Module (Optional)	1 x Reserved USB Interface socket for optional Bluetooth 2.1 module
	Hardware Acceleration	Built-in HD Video Engine with H.264, MPEG-2 HD, WMV9-HD, AVS, and VC1 acceleration			Wireless LAN (Optional)	1 x Reserved USB Interface socket for optional Wireless LAN module

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