

## VIA AMOS-3002

Ultra-compact fanless system for embedded industrial applications ideally suited for demanding environments



### Features

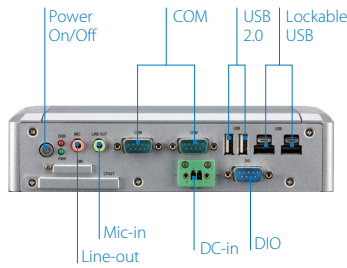
- Ultra compact, ruggedized form factor with multiple wall/table/VESA mounting solutions
- High-performance fanless 1.0GHz VIA Eden® X2 processor
- DX9 graphics with MPEG-2/WMV9/VC1/H.264 decoding acceleration
- Rich I/O feature set including lockable USB, RS-232/422/485, and GPIO
- Support for dual independent VGA + HDMI displays

### Specifications

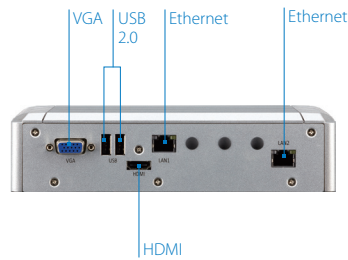
<b>Model Name</b>	<b>AMOS-3002</b>
<b>Processor</b>	1.0GHz VIA Eden® X2
<b>Chipset</b>	VIA VX900H Media System Processor
<b>BIOS</b>	AMI BIOS, 8Mbit Flash memory
<b>System Power Management</b>	Wake-on LAN, keyboard power-on, timer power-on, system power management, AC power failure recovery, Watch Dog timer control
<b>System Memory</b>	1 DDR3 1066 SODIMM socket Up to 4GB memory size
<b>Storage</b>	Supports 1 CFast Flash drive Supports 1 2.5" SATA HDD/SSD (AMOS-3002-2D10A1)
<b>Graphics</b>	Integrated VIA Chrome®9 HD DX9 3D/2D graphics with MPEG-2, WMV9, VC1 and H.264 video decoding acceleration
<b>Audio</b>	VIA VT2021 High Definition Audio Codec
<b>Display I/O</b>	1 HDMI port 1 VGA port supporting VGA resolutions up to 1920 x 1200 pixels Dual independent VGA + HDMI display at different resolutions, pixel depths, and refresh rates
<b>USB</b>	6 USB 2.0 ports, including 2 lockable USB ports for secure connections
<b>LAN</b>	VIA VT6130 PCIe Gigabit Ethernet controller
<b>COM</b>	Integrated in VX900H
<b>Expansion I/O</b>	1 miniPCIe slot
<b>Front Panel I/O</b>	1 CFast Flash slot 2 USB 2.0 ports 2 COM ports for 1 RS-232 and 1 RS-232/422/485 1 DIO port for 8-bit GPIO 2 Lockable USB 2.0 ports 2 Audio jacks: Line-in and Mic-out 1 SIM card slot 1 Power on/off button 1 Red LED for HDD activity 1 Green LED for power status 1 2-pole Phoenix DC jack
<b>Back Panel I/O</b>	2 USB 2.0 ports 1 HDMI port 1 VGA port 2 Gigabit Ethernet ports
<b>Power Supply</b>	12V DC-in (typical: 23W)
<b>Operating System</b>	Windows 7, WES 7, Linux
<b>Watch Dog Timer</b>	System reset; programmable 1-255 sec
<b>Mechanical Construction</b>	Aluminum top chassis housing Metal chassis housing Dual removable front & rear metal face plate
<b>Mounting</b>	Wall/table/VESA mountable



## Front System IO



## Rear System IO



## Combination of AMOS-3002 and Sub-system Chassis



## Specifications

Model Name	AMOS-3002-1D10A1	AMOS-3002-2D10A1
Dimensions	197mm(W) x 49mm(H) x 104mm(D) (7.75" x 1.92" x 4.09")	197mm(W) x 66mm(H) x 104mm(D) (7.75" x 2.59" x 4.09")
Weight	1.4kg (3.08lbs)	1.8kg (4.02lbs)
Operating Temperature	-20 °C ~ 60°C for 1.0GHz VIA Eden® X2 processor 0 °C ~ 45°C when system equipped with 2.5" hard disk drive (AMOS-3002-2D10A1)	
Storage Temperature	-20 °C ~ 70 °C	
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)	
Vibration Loading During Operation	With CFast Flash drive: 5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1hr/axis	
Shock During Operation	With CFast Flash drive: 50G, IEC 60068-2-27, half size, 11ms duration	
Compliance	CE/FCC	

## Ordering Information

Part Number	CPU Frequency	Description
AMOS-3002-1D10A1	VIA Eden® X2 @ 1.0GHz	1.0GHz VIA Eden® X2 CPU based fanless embedded system with HDMI, VGA, 4 USB 2.0, 2 Lockable USB 2.0, 2 COM, DIO, 2 Gigabit Ethernet, CFast Flash slot, 12V DC-in power
AMOS-3002-2D10A1	VIA Eden® X2 @ 1.0GHz	1.0GHz VIA Eden® X2 CPU based fanless embedded system with HDMI, VGA, 4 USB 2.0, 2 Lockable USB, 2 COM, DIO, 2 Gigabit Ethernet, 2.5" SATA HDD/SSD Bay, CFast Flash slot, 12V DC-in power

## Optional Accessories

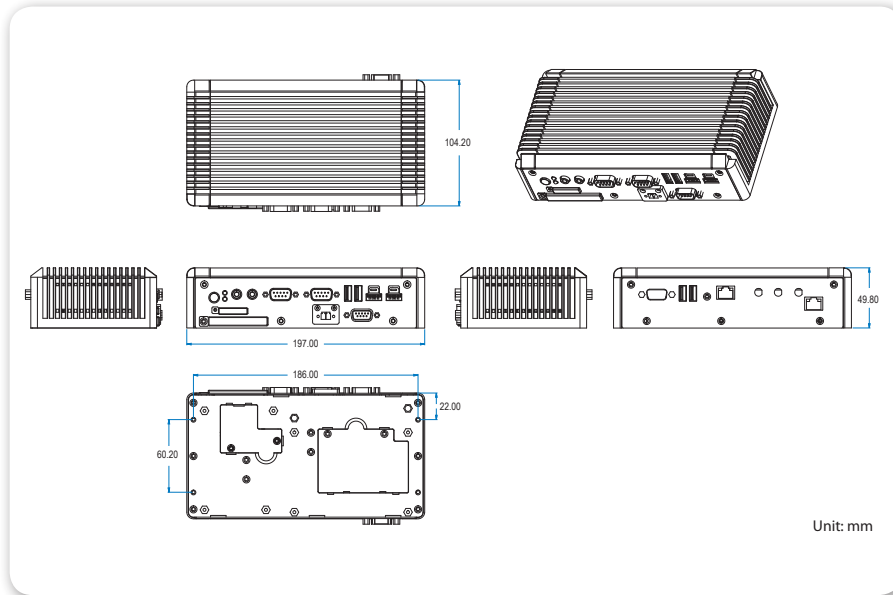
### External AC-to-DC Adapter and Power Cord

Part Number	Description
99G63-020316	AC-to-DC adapter, 2-pole Phoenix connector, DC 12V/5A, 60W
99G33-02032C	Power cord, 180cm, USA type
99G33-02033C	Power cord, 180cm, Europe type
99G33-02034C	Power cord with PSE mark, 180cm for Japan market

### Wireless Accessories

Part Number	Description
EMIO-2550-00A1	Ublox 3.75G HSPA/UMTS mobile broadband full size miniPCIe module with GPS and SIM card slot
EMIO-2550-01A1	Ublox 3.75G HSPA/UMTS mobile broadband full size miniPCIe module

## Dimensions



## Packing List

Items
AMOS-3002 system
VESA bracket
Wall mount bracket
Power cable, 2-pole phoenix DC-in jack connector
Thermal pad for memory
Thermal pad for CFast
Bottom washer rubber