

VIA

# ARTiGO A1200

Compact Fanless System with HDMI, VGA, Dual GigaLAN, USB, COM and CFast



## Features

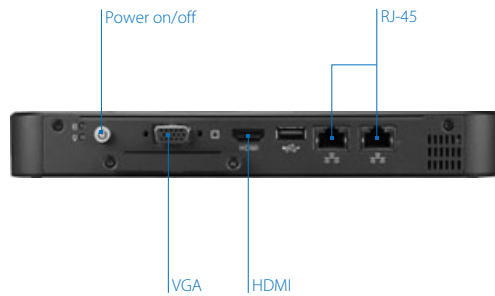
- Powered by VIA dual core Eden™ X2 processor
- Integrated Chrome™9 HD DX9 3D/2D video processor with MPEG-2, WMV9/VC1, H.264 video decoding acceleration
- Supports up to 4GB DDR3 SDRAM memory size
- Supports two Gigabit Ethernet
- Supports four USB 2.0
- Supports one 2.5" SATA hard disk drive bay
- Supports one mini-PCIe socket with one SIM slot
- Supports one CFast socket
- Supports HDMI and VGA dual independent display

## Specifications

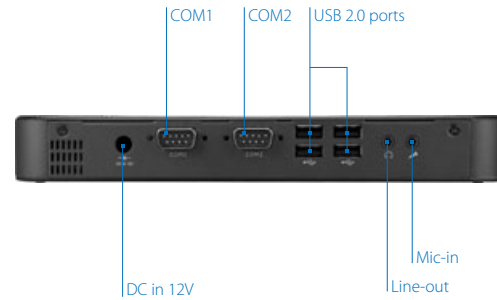
Part Number	ATG-A1200-1D10A1	
<b>Computing System</b>	<b>Processor</b>	1.0GHz VIA Eden™ X2
	<b>Front Side Bus</b>	800 MHz
	<b>L2 Cache</b>	2MB
	<b>Chipset</b>	VIA VX900 Media System Processor
	<b>BIOS</b>	AWARD BIOS, 8 MBit SPI Flash BIOS
	<b>System Power Management</b>	Timer power-on ACPI supported
<b>Memory</b>	<b>Technology</b>	1 x 204-pin SODIMM socket, support DDR3 1066 SDRAM
	<b>Max. Capacity</b>	Up to 4GB memory size
<b>Graphic</b>	<b>Controller</b>	Integrated VIA Chrome™9 HD DX9 3D/2D video processor with MPEG-2, WMV9/VC1, H.264 video decoding acceleration
	<b>Display Memory</b>	Optimized Unified Memory Architecture (UMA), Supports up to 512 MB frame buffer using system memory
	<b>CRT Interface</b>	Support 1 x External VGA port by a DB-9 connector Pixel resolution support up to 2560 x 1600
	<b>HDMI Interface</b>	Support 1 x HDMI port connector
<b>Dual Gigabit Ethernet</b>	<b>Dual View</b>	Dual independent display of CRT & HDMI at different resolutions, pixel depths, and refresh rates
	<b>Controller Interface</b>	Built-in system dual VIA VT6130 Gigabit Ethernet controllers Supports 2 x RJ45 connectors Supports Wake On LAN (WOL) Supports Pre-boot Execution Environment (PXE)
	<b>HD Audio</b>	<b>Controller Interface</b> VIA VT2021 blue-ray High Definition audio codec Supports 2 x 3.5Φ audio jack as Line-out & Mic-in
<b>USB 2.0</b>	<b>Controller</b>	Integrated USB 2.0 host controller built-in VX900 IGP chipset on system board
	<b>Interface</b>	Supports 4 x USB 2.0 host ports
<b>Serial Ports</b>	<b>Controller</b>	Fintek F81801 LPC I/O controller
	<b>Interface</b>	Supports 2 x RS-232 as default of COM1 & COM2 Optional support RS-422/RS-485 at COM2
<b>Storage</b>	<b>HDD</b>	Built-in 1 x hard disk drive bay space for 2.5" SATA hard disk or 2.5" Flash SSD
	<b>CFast</b>	Built-in 1 x CFast socket, support Type I/II of CFast flash disk
<b>System Indicator</b>	<b>Power Status LED</b>	1 x Red color LED
	<b>HDD Activity LED</b>	1 x Green color LED
<b>Watch Dog Timer</b>	<b>Output</b>	System reset
	<b>Interval</b>	Programmable 1~255 sec



## Front Panel External I/O



## Rear Panel External I/O



## Specifications

Part Number	ATG-A1200-1D10A1	
Front Panel External I/O Connectors	<b>Power Button</b>	1 x ATX power on/off switch
	<b>Power Status LED</b>	1 x Green color LED
	<b>HDD Activity LED</b>	1 x Red color LED
	<b>Power On/Off Switch</b>	1 x Power on/off button
	<b>VGA</b>	1 x D-Sub 15-pin female connector
	<b>HDMI</b>	1 x HDMI connector
	<b>Dual Gigabit Ethernet</b>	2 x RJ45 connectors, support dual Gigabit Ethernet connections
	<b>CFast</b>	1 x CFast Flash disk socket
Rear Panel External I/O Connectors	<b>Power Input</b>	1x DC jack power input connector
	<b>Dual COM</b>	2 x RS-232 ports as COM1 and COM2 by 2 DB-9 connectors
	<b>Quad USB 2.0 Host</b>	4 x USB 2.0 mini-DIN connectors
	<b>Audio</b>	2 x 3.5Φ audio jack connectors as Line-out and Mic-in
Left Side Panel External I/O	<b>Antenna Holes</b>	Reserved 2 x Antenna holes for WLAN or 3G mini PCIe adapters Located at left side panel of system
Power Supply	<b>Power Input</b>	1x DC jack power input connector
	<b>Input Voltage</b>	Built-in system DC-to-DC converter Accepts power Input of DC 12V Supports ATX mode
	<b>Fuse Rating</b>	7A @ 125V
Mechanical	<b>Construction</b>	Aluminum alloy
	<b>Mounting</b>	Optional support wall/table/VESA mount brackets
	<b>Dimensions</b>	234 mm (W) x 30 mm (H) x 124 mm (D) (9.21" x 1.18" x 4.88")
	<b>Weight</b>	Net 1.2 kg
Environmental Specification	<b>Operating Temperature</b>	0 °C up to 45°C
	<b>Storage Temperature</b>	-20°C ~ 60 °C
	<b>Relative Humidity</b>	0 ~ 90% @ 45°C, non-condensing
	<b>Vibration Loading During Operation</b>	When system is running with CFast flash disk only is : 1Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis
	<b>Shock Loading During Operation</b>	When system is running with CFast flash disk only is 10G, IEC 60068-2-27, half size, 11ms duration

## Ordering Information

Part Number	System Built-in CPU	Description
ATG-1200-1D10A1	1.0GHz Eden™ X2	1.0GHz VIA Eden™ X2 CPU Based Fanless Embedded System with 1 VGA,1 HDMI, 4 USB 2.0, 2 GigaLAN, 2 COM, 1 CFast Socket, 1 SATA, DC-in 12V and US Power Cord
ATG-A1200-2D10A1	Eden X2	1.0GHz VIA Eden™ X2 CPU Based Fanless Embedded System with 1 VGA,1 HDMI, 4 USB 2.0, 2 GigaLAN, 2 COM, 1 CFast Socket, 1 SATA, DC-in 12V and EU Power Cord
ATG-A1200-3D10A1	Eden X2	1.0GHz VIA Eden™ X2 CPU Based Fanless Embedded System with 1 VGA,1 HDMI, 4 USB 2.0, 2 GigaLAN, 2 COM (RS-232), 1 CFast Socket, 1 SATA, DC-in 12V and JP Power Cord
ATG-A1200-4D10A1	Eden X2	1.0GHz VIA Eden™ X2 CPU Based Fanless Embedded System with 1 VGA,1 HDMI, 4 USB 2.0, 2 GigaLAN, 2 COM (RS-232), 1 CFast Socket, 1 SATA, DC-in 12V and CN Power Cord

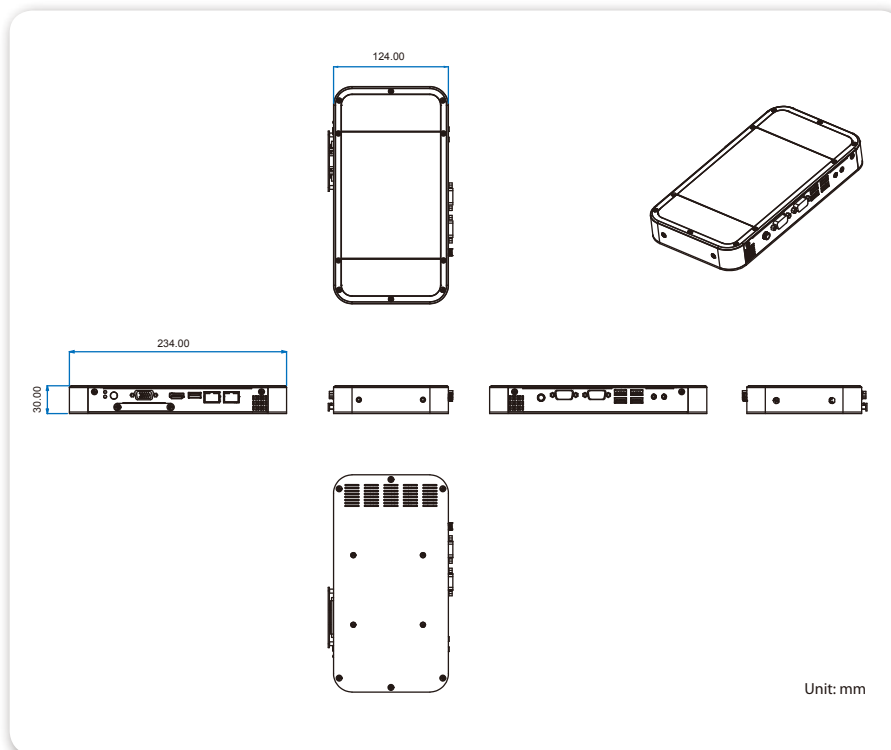
## Embedded OS (Only available for T-Parts OEM service)

Part Number	Description
POS-MEXSLI-ENS16	Windows XP Embedded Standard Image & License For ARTiGO-A1200(EITX-2000) English Version
POS-ME7SLI-ENS32	Windows Embedded Standard 7 32Bit SP1 Image & License For ARTiGO-A1200(EITX-2000) English Version
POS-ME7SLI-JPO03	Windows Embedded Standard 7 32Bit SP1 Image & License For ARTiGO-A1200(EITX-2000) Japan Version
POS-DLNXXI-ENS15	Debian Linux Image only For ARTiGO-A1200(EITX-2000) English Version v.1.0

## Optional Accessories

Part Number	Description
99G42-09288E	Mechanism kit, wall mount bracket 116mmx116mmx18.4mm
EMIO-1537-00A2	Wireless Mini PCIe IEEE 802.11b/g/n standard assembly kit

## Dimensions



## Packing List

- 1 x ARTiGO A1200
- 1 x AC/DC power adapter
- 1 x Power cable (180 cm, 71")
- 4 x HDD screws
- 1 x Installation guide
- 1 x SATA ribbon cable