VIA
ARTiGO A1150

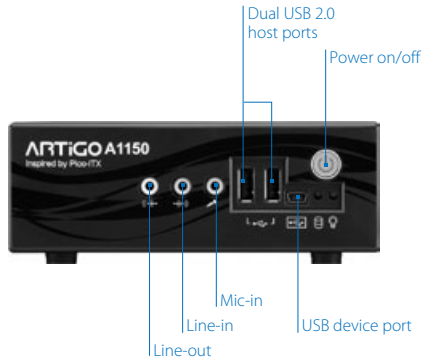**Ultra Compact Embedded System with HDMI, VGA, Host/Device USB and GigaLAN**

Features

- Powered by VIA Eden™ X2 processor with Pico-ITX board

- Integrated VIA C-9 HD DX9 3D/2D video processor with MPEG-2, WMV9/VC1, H.264 video decoding acceleration

- Supports up to 4GB DDR3 SODIMM memory size

- Onboard Gigabit Ethernet

- One USB client port, user friendly and quick data transmission

- Supports one 2.5" SATA HDD installation

- Supports one SD card slot (optional)

- Space saving, low power consumption, ultra compact design
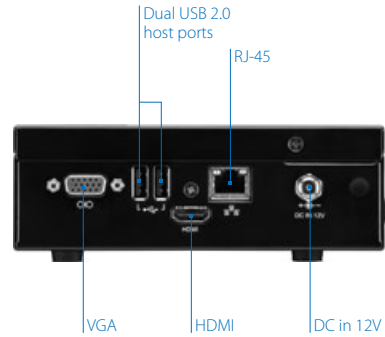
Specifications

Part Number		ATG-1150-1D10A3
Computing System	**Processor**	1.0GHz VIA Eden™ X2
	Front Side Bus	800 MHz
	L2 Cache	2MB
	Chipset	VIA VX900H Media System Processor
	BIOS	AMI BIOS, 8 Mbit SPI Flash BIOS
	System Power Management	Timer Power-on ACPI supported
Memory	**Technology**	1 x DDR3 1066 204-pin, SDRAM SODIMM socket
	Max. Capacity	Up to 4GB memory size
Graphic	**Controller**	Integrated VIA C-9 HD DX9 3D/2D video processor with MPEG-2, WMV9/VC1, H.264 video decoding acceleration
	Display Memory	Optimized Unified Memory Architecture (UMA), support up to 512 MB frame buffer using system memory
	CRT Interface	Supports 1 x External VGA port by a DB-9 connector Pixel resolution support up to 2048 x 1536
	HDMI Interface	Onboard 1 of HDMI port connector
	Dual View	Two independent display engines built-in VX900H chipset, support CRT+HDMI at different resolutions, pixel depths, and refresh rates with completely two different video contents
Ethernet	**Controller**	Onboard VIA VT6130G Gigabit Ethernet controller
	Interface	Supports 1 x RJ45 connector Supports Wake-on LAN (WOL) Supports Pre-boot Execution Environment (PXE)
HD Audio	**Controller**	VIA VT2021 High Definition Audio Codec
	Interface	Supports 3 x 3.5Φ Audio jack as speaker and Mic-in
Serial	**USB Host**	4 x USB ports, USB 2.0 compliant
	USB Device	1 x USB client port
Storage	**HDD**	Default support 1 x 2.5" SATA hard disk drive or SSD bay
	SD	Optional support 1 x SD card reader Comply with 480Mbps Universal Serial Bus specification rev. USB 2.0 MMC system specification 4.2 , SD memory card specification 2.0 , SDHC memory card, Micro SD
System Indicator	**Power Status LED**	1 x Red color LED
	HDD Activity LED	1 x Green color LED
Watch Dog Timer	**Output**	System reset
	Interval	Programmable 1~255 sec
Front Panel External I/O Connectors	**USB Host**	2 x USB ports of min-DIN connectors
	USB Device	1 x USB client port of micro USB connector
	Audio Line-out	1 x 3.5Φ Audio jack as Line-out
	Audio Line-in	1 x 3.5Φ Audio jack as Line-in
	Audio Mic-in	1 x 3.5Φ Audio jack as Mic-in

Front System I/O

- Dual USB 2.0 host ports
- Power on/off
- Mic-in
- Line-in
- Line-out
- USB device port

Rear System I/O

- Dual USB 2.0 host ports
- RJ-45
- VGA
- HDMI
- DC in 12V

ARTiGO A1150
Inspired by Pico-ITX

Specifications

Part Number		ATG-1150-1D10A1
Rear Panel External I/O Connectors	VGA	1 x D-Sub 15-pin female connector
	Dual USB 2.0	2 x USB ports of min-DIN connectors
	Gigabit LAN	1 x RJ45 connector of Gigabit Ethernet port
	HDMI	1 x HDMI connector
Left Panel External I/O Connectors	SD Slot	Optional support 1 x SD card slot
Power Supply	Power Consumption	Maximum 22.97 w Typical 17.41 w
	Input Voltage	Accept power input of DC 12V Typical power input 12 VDC @ 1.45 A
	Power Input Connector	DC power input connector by DC jack connector
	Input Power Protection	Supports over voltage protection Supports over current protection Supports under voltage protection
	Fuse Rating	7A @ 125V
Mechanical	Construction	Aluminum top chassis housing Aluminum chassis housing Front removable Aluminum face plate
	Mounting	Wall/Table/WESA mountable by optional mounting kits P/N:ATG-A1100-1WVZA1
	Dimensions	146 mm (W) x 52 mm (H) x 99 mm (D) (5.74" x 2.04" x 3.89")
	Weight	0.6 kg (1.32lbs)
Environmental Specification	Operating Temperature	0 ℃ up to 45℃
	Storage Temperature	-10℃ ~ 60 ℃
	Relative Humidity	0 ~ 90% @ 45℃, non-condensing
	Vibration Loading During Operation	0.6Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis
	Shock During Operation	20G, IEC 60068-2-27, half size, 11ms duration
	EMC Approved	CE, FCC
Software Compatibility	Operation System	Microsoft Windows XP, Windows 7, Windows Embedded Standard, Windows Embedded Standard 7, Linux

Ordering Information

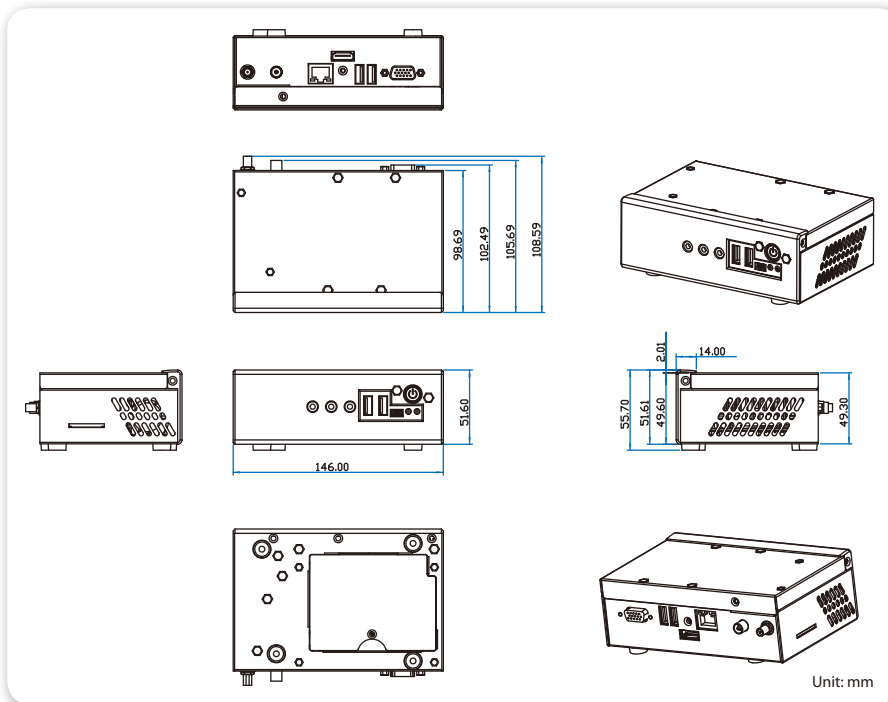| Part Number	System Built-in CPU	Description
ATG-1150-1D10A3	1.0GHz Eden™ X2	1.0GHz Eden™ X2 CPU Semi-Embedded System, with VGA, HDMI, 4 x USB 2.0, 1 x GbE, 1 x Speaker, DC-in 12V, AC/DC Adapter, US Power Cord
ATG-1150-2D10A3	1.0GHz Eden™ X2	1.0GHz Eden™ X2 CPU Semi-Embedded System, with VGA, HDMI, 4 x USB 2.0, 1 x GbE, 1 x Speaker, DC-in 12V, AC/DC Adapter, EU Power Cord
ATG-1150-3D10A3	1.0GHz Eden™ X2	1.0GHz Eden™ X2 CPU Semi-Embedded System, with VGA, HDMI, 4 x USB 2.0, 1 x GbE, 1 x Speaker, DC-in 12V, AC/DC Adapter, JP Power Cord
ATG-1150-8D10A3	1.0GHz Eden™ X2	1.0GHz Eden™ X2 CPU Semi-Embedded System with VGA, HDMI, 4 x USB 2.0, 1 x GbE, 1 x Speaker, DC-in 12V, AC/DC Adapter, CN Power Cord
ATG-1150-4D10A3	1.0GHz Eden™ X2	ATG-A1150-3D10A3 Bundled with MagicView Standalone, WES7 JP, 320GB HDD, 2G DDR3

Ordering Information

Part Number	System Built-in CPU	Description
ATG-1150-6D10A3	1.0GHz Eden™ X2	ATG-A1150-1D10A3 Bundled with MagicView Standalone, WES7 En, 320GB HDD, 2G DDR3
ATG-A1150-5D10A3	1.0GHz Eden™ X2	ATG-A1150-3D10A1 Bundled with MagicView Server, WES7 JP, 320GB HDD, 2G DDR3
ATG-A1150-7D10A3	1.0GHz Eden™ X2	ATG-A1150-1D10A1 Bundled with MagicView Server, WES7 En, 320GB HDD, 2G DDR3

Optional Accessories

External AC-to-DC Adapter and Power Cable

Part Number	Description
99G33-02031C	Power cord, 180 cm, UK type

SD Card Reader

Part Number	Description
EMIO-5130-00A1	1 x SD card reader

Mounting Bracket

Part Number	Description
ATG-A1150-1WVZA1	Wall/VESA mount dual function mounting bracket

WLAN Module

Part Number	Description
EMIO-1530-80A1	802.11 b/g/ Wireless LAN USB Module for USA
EMIO-1530-90A1	802.11 b/g/ Wireless LAN USB Module for Europe
EMIO-1533-00A1	802.11 b/g/n Wireless LAN USB Module with assembly kit (VNT9271)

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

Part Number	Description
POS-ME7SLI-ENS27	Windows Embedded Standard 7 64Bit SP1 Image & License For ARTiGO-A1150(EPIA-P900) English Version
POS-DLNXXI-ENS14	Debian Linux Image only For ARTiGO-A1150(EPIA-P900) English Version v.1.0

Dimensions

Unit: mm

Packing List

1 x ARTiGO A1150 system
1 x AC-to-DC adapter, DC 12V/5A, 60W
1 x Installation guide