

Semi-Embedded Systems

NEW

VIA

ARTiGO A1250

Semi-Embedded System
with VIA QuadCore CPU and
HDMI, VGA, USB 3.0, USB 2.0
and GigaLAN



Features

- The smallest QuadCore embedded system
- Powered by VIA QuadCore processor with Pico-ITX board
- Integrated Chromotion™ 5.0 DX11 3D/2D graphics with MPEG-2, WMV9 & H.264 video decoding accelerator
- Supports DDR3 1333 SDRAM SODIMM socket, up to 8GB memory size
- Supports DC Jack strap holder
- Supports one HDMI and one VGA port for dual independent displays
- Supports two USB 3.0 and two USB 2.0 ports
- Supports one 2.5" SATA HDD or Flash SSD installation
- Support 100mm x 100mm VESA mount

Specifications

Part Number	ATG-A1250-1Q10A1	
Computing System	Processor	1.0GHz VIA QuadCore E (with fansink)
	Front Side Bus	800MHz
	L2 Cache	1MB
	Chipset	VIA VX11H Media System Processor
	BIOS	AMI BIOS, 32 Mbit EFI SPI Flash BIOS
	System Power Management	Timer power-on ACPI supported
Memory	Technology	1 x DDR3 1333/1066 SODIMM socket
	Max. Capacity	Up to 8GB memory size
Graphic	Controller	Integrated Chromotion™ 5.0 DX11 3D/2D graphics with MPEG-2, WMV9 & H.264 video decoding accelerator
	Display Memory	Optimized Unified Memory Architecture (UMA), supports from 256MB to 1GB frame buffer using system memory
	CRT Interface	1 x Onboard VGA connector, supporting 10-bit true-color RAMDAC up to 350MHz pixel rate with gamma correction capability Pixel resolution support up to 2560 x 1600
	HDMI Interface	1 x Onboard HDMI connector
	Dual Independent Displays	Two independent display engines built-in VX11H chipset. Support CRT+HDMI at different resolutions, pixel depths, and refresh rates with completely two different video contents
	Ethernet	Controller Interface
HD Audio	Controller Interface	VIA VT2021 High Definition Audio Codec Supports Line-in, Speaker-out, Mic-in
Serial	USB	2 x USB ports
Storage interface	Signal Interface	1 x Onboard SATA II port, maximum data transfer rate up to 300MB/S 1 x onboard SATA power connector
	2.5" Drive Bay	1 x 2.5" SATA disk drive bay
System Indicator	Power Status LED	1 x Green color LED
	HDD Activity LED	1 x Red color LED
Watch Dog Timer	Output	System reset
	Interval	Programmable 1~255 sec

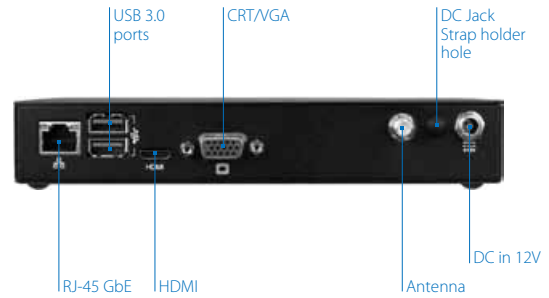
CE FC



Front Panel External I/O



Rear Panel External I/O



Specifications

Part Number	ATG-A1250-1Q10A1	
Onboard I/O Coastline Connectors	Rear Panel External I/O Connectors	1 x RJ45 connector, support Gigabit Ethernet connections 2 x USB 3.0 ports 1 x VGA port (DB-9) 1 x HDMI port 1 x 3.5 Ø DC Jack power input connector 1x Antenna hole reserve cutout to support WiFi networking
	Front Panel External I/O Connectors	3 X 3.5Ø Audio jacks as Line-in, Line-out and Mic-in 2 x USB ports 1 x HDD & Power LED 1 x ATX power on/off switch
Power Supply	Input Voltage	DC 12V
	Power Input Connector	1 x 3.5 Ø DC Jack connector
	Power Consumption	Maximum 30 W
Mechanical	Construction	Aluminum top cover chassis housing Galvanized steel sheet (SECC) body chassis housing Front removable aluminum faceplate
	Dimension	177 mm (W) x 30 mm (H) x 125 mm (D)
	Weight	N/A
	Venting Holes	Stylish venting holes on left & right plates
	Mounting	VESA mounting holes on bottom chassis
Environmental Specification	Operating Temperature	0°C up to 40 °C
	Storage Temperature	-10°C ~ 60 °C
	Relative Humidity	0 ~ 90% @ 45°C, non-condensing
	Shock during Operation	N/A
	EMC Approved	Industrial PC, CE, FCC Class B
	Safety	CB/CCC/KCC
Software Compatibility	Operation System	Windows 7, Windows XP, Windows Embedded Standard 2009, Windows Embedded Standard 7, Linux

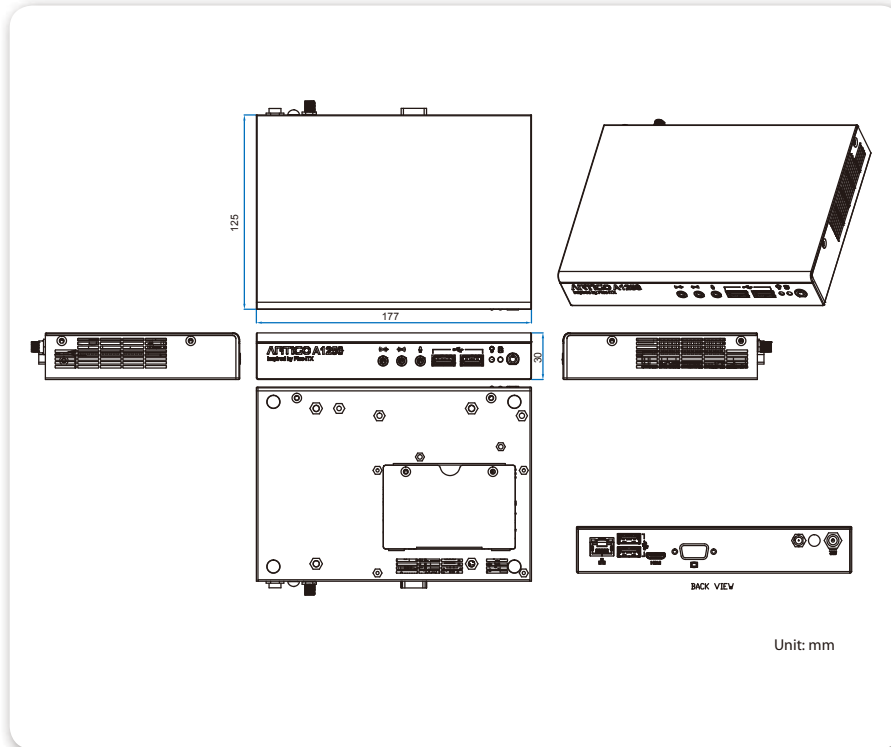
Ordering Information

Part Number	System Built-in CPU	Description
ATG-A1250-1Q10A1	1.0GHz QuadCore E	1.0GHz QuadCore E CPU Based Semi-Embedded System with VGA, HDMI, 2 x USB 3.0, 2 x USB 2.0, 1 x GLAN, DC-in 12V, US Power Cord
ATG-A1250-2Q10A1	1.0GHz QuadCore E	1.0GHz QuadCore E CPU Based Semi-Embedded System with VGA, HDMI, 2 x USB 3.0, 2 x USB 2.0, 1 x GLAN, DC-in 12V, EU Power Cord
ATG-A1250-3Q10A1	1.0GHz QuadCore E	1.0GHz QuadCore E CPU Based Semi-Embedded System with VGA, HDMI, 2 x USB 3.0, 2 x USB 2.0, 1 x GLAN, DC-in 12V, JP Power Cord
ATG-A1250-4Q10A1	1.0GHz QuadCore E	1.0GHz QuadCore E CPU Based Semi-Embedded System with VGA, HDMI, 2 x USB 3.0, 2 x USB 2.0, 1 x GLAN, DC-in 12V, CN Power Cord

Optional Accessories

Part Number	Description
EMIO-1533-00A1	Wireless USB IEEE 802.11 b/g/n standard assembly kit
99G42-09288E-1	Mechanism kit, wall mount bracket 116mmx116mmx18.4mm

Dimensions



Packing List

- 1 x ARTiGO A1250
- 1 x AC/DC power adapter
- 1 x Power cord
- 4 x HDD screws
- 1 x DC jack strap holder
- 1 x SATA ribbon cable