

## Video Wall Mini

NEW

# VIA ARTiGO A1300

Ultra-compact fanless system for mission-critical dual-display signage, HMI, and IoT applications



## Features

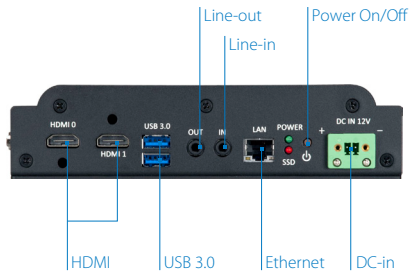
- Two HDMI ports with dual independent display support
- 1.0GHz VIA QuadCore E-Series processor and VX11PH media system processor
- Rich I/O features, including COM, Digital I/O, USB 2.0, and USB 3.0 ports
- Optional 3G and Wi-Fi modules
- VIA MagicView™ content management software available

## Specifications

<b>Model Name</b>	<b>ARTiGO A1300</b>
<b>Processor</b>	1.0GHz VIA QuadCore E-Series
<b>Chipset</b>	VIA VX11PH Media System Processor
<b>BIOS</b>	AMI Aptio UEFI BIOS, 32Mbit Flash memory
<b>System Power Management</b>	Timer Power-On ACPI 3.0 compliant
<b>System Memory</b>	1 DDR3 1066/1333 SODIMM socket Up to 8GB memory size
<b>Storage</b>	Supports 1 2.5" SATA SSD/HDD 1 mSATA slot
<b>Graphics</b>	Integrated Chrome® 645/640 DX11 3D/2D graphics with MPEG-2, WMV9, VC-1 and H.264 video decoding acceleration
<b>Audio</b>	VIA VT2021 High Definition Audio Codec
<b>Display I/O</b>	2 HDMI ports supporting resolutions up to 1920 x 1080 pixels Dual independent HDMI displays at different resolutions, pixel depths, and refresh rates
<b>USB</b>	2 USB 3.0 ports and 2 USB 2.0 ports
<b>LAN</b>	Realtek RTL8111G Gigabit Ethernet controller Supports Wake-On-LAN and Boot from LAN (PXE)
<b>COM</b>	Fintek F71869 LPC I/O controller
<b>Expansion I/O</b>	1 miniPCIe slot (PCIe + USB 2.0) 1 SIM card slot
<b>Front Panel I/O</b>	2 USB 3.0 ports 2 HDMI ports 1 Gigabit Ethernet port 2 Audio jacks: Line-in and Line-out 1 Power on/off button 1 Red LED for SSD activity 1 Green LED for power status 1 2-pole Phoenix DC jack
<b>Left Panel I/O</b>	2 USB 2.0 ports 1 COM port for RS-232/422/485 (powered by selectable 5V/12V) 1 DIO port for 8-bit GPIO 1 Blue LED for 3G 1 Blue LED for USB Wi-Fi
<b>Rear Panel I/O (Optional)</b>	1 Antenna hole for 3G 1 Antenna hole for Wi-Fi
<b>Watch Dog Timer</b>	System reset; programmable 1~255 sec
<b>Power Supply</b>	12V DC-in (typical: 28W)
<b>Operating System</b>	Windows 7, WES 7, Linux

CE FC

## Front Panel External I/O



## Left Panel External I/O



## Specifications

<b>Model Name</b>	<b>ARTiGO A1300</b>
<b>Mechanical Construction</b>	Fanless Aluminum alloy
<b>Mounting</b>	VESA mount
<b>Dimensions</b>	185mm(W) x 44.4mm(H) x 162mm(D) (7.28" x 1.75" x 6.38")
<b>Weight</b>	2.0kg (4.4lbs) (without HDD)
<b>Operating Temperature</b>	0°C ~ 45°C (SSD & mSATA) 0°C ~ 40°C (HDD)
<b>Storage Temperature</b>	-10°C ~ 60°C
<b>Operating Humidity</b>	0% ~ 90% (non-condensing)
<b>Vibration Loading During Operation</b>	With 2.5" SSD IEC 60068-2-64 (5Grms, random, 5 ~ 500Hz, 1hr/axis)
<b>Shock During Operation</b>	With 2.5" SSD IEC 60068-2-27 (50G, half size, 11ms duration)
<b>Compliance</b>	CE/FCC

## Ordering Information

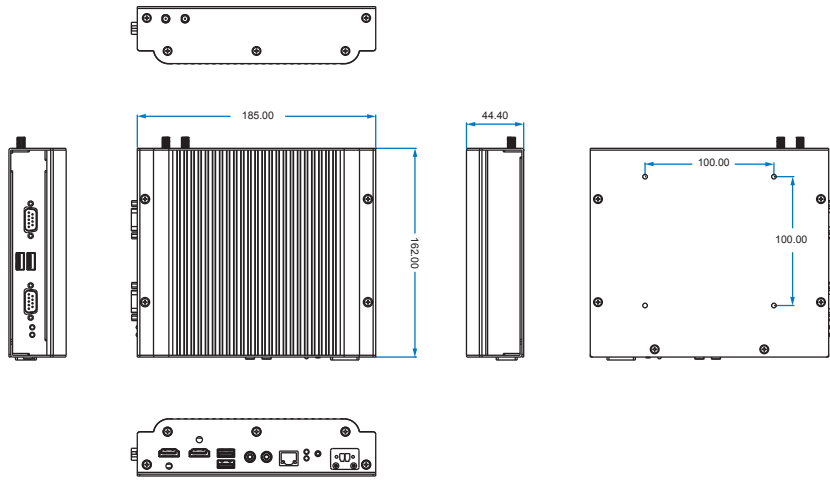
Part Number	CPU Frequency	Description
ATG-A1300-1Q10A2	VIA QuadCore E-Series @ 1.0GHz	Fanless embedded system with 1.0GHz VIA QuadCore E-Series CPU, 2 HDMI, 2 USB 3.0, 2 USB 2.0, COM, DIO, Gigabit Ethernet, SATA SSD bay, mSATA, 12V DC-in, power cord USA type
ATG-A1300-2Q10A2	VIA QuadCore E-Series @ 1.0GHz	Fanless embedded system with 1.0GHz VIA QuadCore E-Series CPU, 2 HDMI, 2 USB 3.0, 2 USB 2.0, COM, DIO, Gigabit Ethernet, SATA SSD bay, mSATA, 12V DC-in, power cord EU type

## Optional Accessories

### Wireless Accessories

Part Number	Description
EMIO-1533-00A2	VNT9271BB05B-516 IEEE 802.11b/g/n USB Wi-Fi module with assembly kit
EMIO-2550-01A1	Ublox 3.75G HSPA/UMTS mobile broadband full size miniPCle module

## Dimensions



Unit: mm

## Packing List

### Items

- ARTiGO A1300 system
- AC-to-DC power adapter
- Power cord
- Screws pack
- HDMI strap holder
- SATA + power cable
- Mounting screws
- HDD/SSD screws
- Mini Card screws