

**NEW**

VIA

## ARTiGO A600

Fanless ultra-compact system with rich connectivity options for enterprise IoT and M2M applications



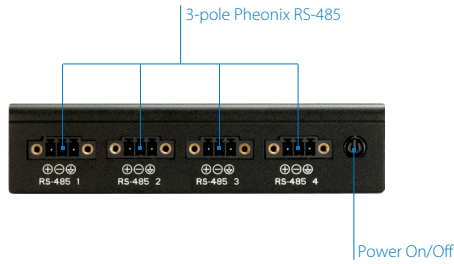
### Features

- 800MHz VIA Cortex-A9 SoC
- Advanced 3D/2D graphics and video engine
- Rich I/O connectivity, 4 3-pole Phoenix RS-485 ports with full 3.75KV isolation
- Optional Wi-Fi support
- Linux BSP and customization services available

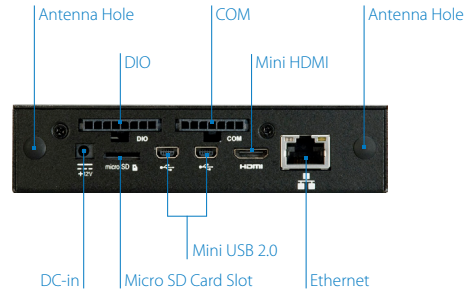
### Specifications

<b>Model Name</b>	<b>ARTiGO A600</b>
<b>Processor</b>	800MHz VIA Cortex-A9 SoC
<b>System Memory</b>	1GB DDR3 SDRAM onboard
<b>Storage</b>	4GB eMMC Flash memory
<b>Boot Loader</b>	512KB SPI Flash ROM
<b>Graphics</b>	Mali-400 SP GPU 2 integrated, independent 3D/2D graphics processing units Graphics engine supporting OpenGL® ES 2.0 hardware acceleration Supports MPEG-2, VC-1 and H.264 video decoding up to 1080p
<b>LAN</b>	VIA VT6113 10/100 base-TX PHY chip
<b>Audio</b>	VIA VT1603A I2S Audio Codec
<b>HDMI</b>	Integrated HDMI 1.4 transmitter
<b>Expansion I/O</b>	1 miniPCIe slot (USB only)
<b>Front Panel I/O</b>	4 3-pole Phoenix RS-485 ports 1 Power on/off button
<b>Back Panel I/O</b>	2 Mini USB 2.0 ports 1 Mini HDMI port 1 8-pin DIO connector supports 8-bit GPIO (4 GPI + 4 GPO) 1 7-pin COM connector (TX/RX and Debug) 1 10/100Mbps Ethernet port 1 Micro SD card slot 2 Antenna holes for 3G/Wi-Fi 1 DC-in jack
<b>Power Supply</b>	12~24V DC-in
<b>Operating System</b>	Linux Kernel 3.0.8
<b>Operating Temperature</b>	-5°C ~ 50°C
<b>Operating Humidity</b>	0% ~ 90% @ 45°C (non-condensing)
<b>Dimensions</b>	125mm(W) x 125mm(D) x 30mm(H) (4.92" x 4.92" x 1.18")
<b>Weight</b>	0.48Kg (1.058lbs)
<b>Mounting</b>	VESA mount (100mm x 100mm) (optional)
<b>Mechanical Construction</b>	Aluminum top cover Metal chassis housing
<b>Compliance</b>	CE/FCC

### Front Panel External I/O



### Back Panel External I/O



### Ordering Information

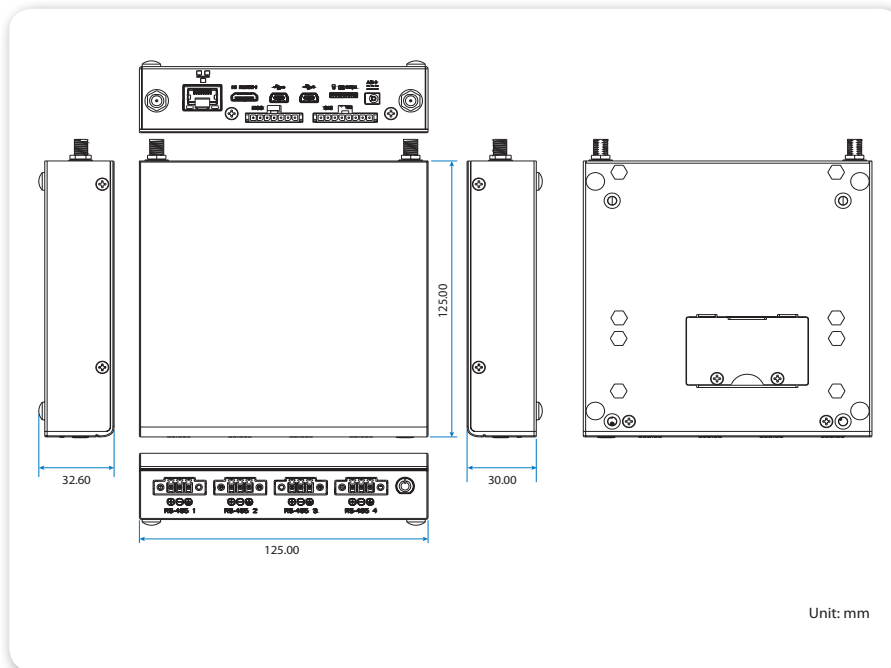
Part Number	SoC Frequency	Description
ATG-A600-1S08A1	VIA Cortex-A9 SoC @ 800MHz	Fanless embedded system with 800MHz VIA Cortex-A9 SoC, 1GB DDR3 RAM, 4GB eMMC, Mini HDMI, 2 Mini USB 2.0, 4 3-pole Phoenix RS-485, COM, DIO, 10/100Mbps Ethernet, Micro SD card slot, miniPCIe slot, 12~24V DC-in

### Optional Accessories

#### Wireless Accessories

Part Number	Description
EMIO-1533-00A2	VNT9271 IEEE 802.11/b/g/n USB Wi-Fi module with assembly kit
EMIO-2550-01A1	3.75G HSPA/UMTS Mobile broadband full size miniPCIe module with GPS *Note: GPS function is not currently supported for ARTIGO A600)

### Dimensions



### Packing List

Items
ARTIGO A600 system
AC-to-DC adapter
Console cable
3-pole female terminal block