

VIA
ALTA DS 2

Fanless ultra-compact dual-screen Android digital signage system



Features

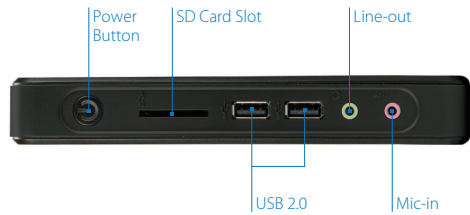
- High-performance 1.0GHz VIA Elite E1000 Cortex-A9 dual-core SoC
- Designed for Android operating system
- Dual-screen support with optional second HDMI port
- Extended & independent screen content support
- Android software solution pack and signage starter kit available

Specifications

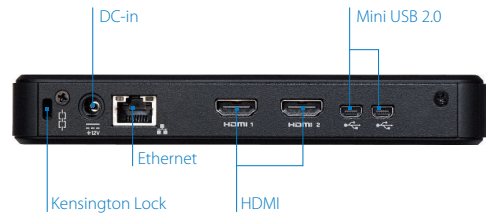
Model Name	ALTA DS 2
Processor	1.0GHz VIA Elite E1000 Cortex-A9 dual-core SoC
System Memory	2GB DDR3 SDRAM onboard
Storage	4GB eMMC Flash memory Up to 16GB eMMC (optional) Supports 1 2.5" SATA HDD/SSD (Project-based only)
Boot Loader	4MB SPI Flash ROM
Graphics	3 integrated, independent 3D/2D and video processing units Graphics engine supporting OpenGL® ES 3.0 hardware acceleration Supports MPEG-2, VC1 and H.264 video decoding up to 1080p
LAN	Realtek RTL8111G-CG
Audio	Wolfson WM8960 Audio Codec
HDMI	Integrated HDMI 1.4 transmitter 2nd from ADV7511
Front Panel I/O	2 USB 2.0 ports 1 SD card slot 2 Audio jacks: Line-out and Mic-in (shared with CIR, optional) 1 Power on/off button & power indicator LED
Back Panel I/O	2 HDMI ports (1 optional) 2 Mini USB 2.0 ports (optional) - 1 for Wi-Fi - 1 for UART1 TX/RX 1 Gigabit Ethernet port 1 DC-in jack
Power Supply	12V DC-in (typical: 5.12W)
Operating System	Android 4.4.2
VIA Smart ETK	Restart, RTC wake-up, Suspend, Wake On LAN, Watchdog timer, GPIO, I ² C, UART
Operating Temperature	0°C ~ 40°C
Operating Humidity	0% ~ 90% @ 40°C (non-condensing)
Storage Temperature	-20°C ~ 70°C
Mechanical Construction	Plastic frame Metal bracket Metal mesh cover on top and bottom
Mounting	Stand holder, VESA mount (optional)
Dimensions	175mm(W) x 25mm (H) x118(D) (6.88" x 0.98" x 4.64")
Weight	0.555kg (1.22lbs)
Compliance	BSMI, CE, FCC



Front Panel External I/O



Back Panel External I/O



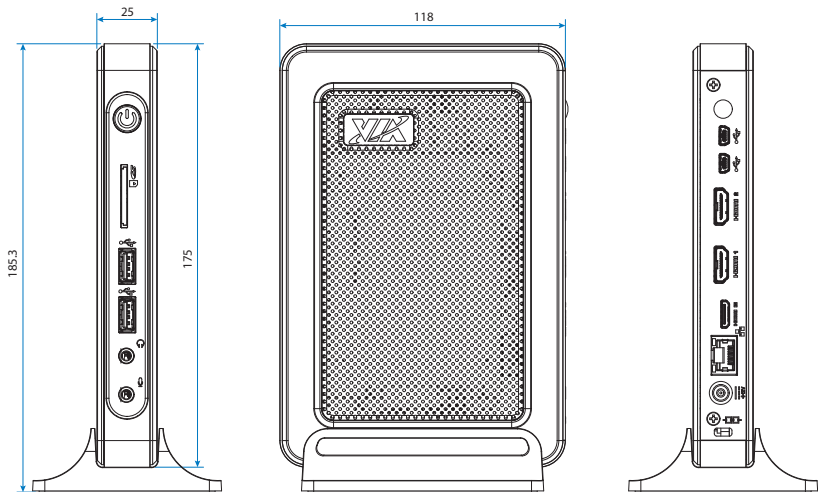
Ordering Information

Part Number	SoC Frequency	Description
VT60800014003-T	VIA Elite E1000 Cortex-A9 dual-core SoC @ 1.0GHz	Android signage system with 1.0GHz VIA Elite E1000 Cortex-A9 SoC, 2GB DDR3 RAM, 4GB eMMC, 2 HDMI ports, 2 USB 2.0 ports, 2 Mini USB 2.0 ports, Gigabit Ethernet, SD card slot, Stand holder, US power cord, 12V DC-in

Optional Accessories

Wireless Accessories	
Part Number	Description
00GO27100BU2B0D0	VNT9271BU0DB IEEE 802.11 b/g/n USB Wi-Fi dongle
Mounting Options	
Part Number	Description
VT6076-C0000A1	VESA mount cradle
Cable Accessories	
Part Number	Description
99G33-080297	Debug cable (TX/RX)

Dimensions



Unit: mm

Packing List

Items
ALTA DS 2 system
AC-to-DC adapter
Power cord (USA type)
Stand holder