

Android Signage Solutions

VIA

ALTA DS 4K

Fanless ultra-compact 4K
Android digital signage &
surveillance system



Features

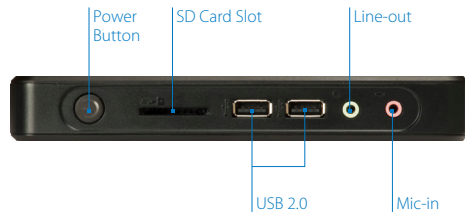
- 1.4GHz ZX-2000M Cortex-A17 quad-core SoC
- Supports 4K display resolution
- Designed for Android operating system
- Android software solution pack and signage, video wall and surveillance software available
- Dual Ethernet support

Specifications

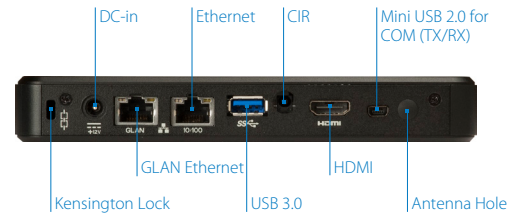
Model Name	ALTA DS 4K
Processor	1.4GHz ZX-2000M Cortex-A17 quad-core SoC
System Memory	2G DDR3 1600MHz SDRAM
Storage	8GB eMMC Flash memory SD Card slot
Graphics	Integrated 2D/3D and video processing units Graphics engine supporting OpenGL® ES 3.0 hardware acceleration Supports H.264 and H.265 video decoding up to 3840x2160p @30fps Supports VP8 and MJPEG video hardware decoding up to 1080p Supports VC-1 and MPEG-2 video hardware up to 1080p (by request only) Supports H.264 encoding
LAN	Realtek RTL8211FS-CG
Wi-Fi & Bluetooth	IEEE 802.11 b/g/n Wi-Fi (optional) Bluetooth 4.0 (optional)
Audio	WM8960 Audio Codec
HDMI	Integrated HDMI 1.4 with CEC support
Front Panel I/O	2 USB 2.0 ports 1 SD card slot 2 Audio jacks: Line-out and Mic-in 1 Power on/off button with power indicator LED
Back Panel I/O	1 HDMI port 1 USB 3.0 port 1 Mini USB 2.0 port for COM (TX/RX) 1 Gigabit Ethernet port 1 10/100Mbps Ethernet port 1 CIR receiver 1 Antenna hole for Wi-Fi 1 DC-in jack
Power Supply	12V DC-in
Operating System	Android 5.1.1
VIA Smart ETK	Wake On LAN, Watchdog timer, 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) x 118mm(D) (6.88" x 0.98" x 4.64")
Weight	0.5kg (1.10lbs)
Compliance	BSMI, CE, FCC, NCC



Front Panel External I/O



Back Panel External I/O



Ordering Information

Part Number	System Built-in CPU	Description
VT60910016001-T	ZX-2000M Cortex-A17 quad-core SoC @ 1.4GHz	Android system with 1.4GHz ZX-2000M Cortex-A17 quad-core SoC, 2GB DDR3 SDRAM, 8GB eMMC, HDMI, USB 3.0, 2 USB 2.0, Mini USB 2.0 for COM (TX/RX), CIR, Gigabit Ethernet, 10/100Mbps Ethernet, SD card slot, Stand holder, US power cord, 12V DC-in
VT60910016002-T (US Only)	ZX-2000M Cortex-A17 quad-core SoC @ 1.4GHz	Android system with 1.4GHz ZX-2000M Cortex-A17 quad-core SoC, 2GB DDR3 SDRAM, 8GB eMMC, HDMI, USB 3.0, 2 USB 2.0, Mini USB 2.0 for COM (TX/RX), CIR, Gigabit Ethernet, 10/100Mbps Ethernet, Wi-Fi, Bluetooth 4.0, SD card slot, Stand holder, US power cord, 12V DC-in

Optional Accessories

Wireless Accessories

Part Number	Description
EMIO-5531-00A1	VAB-820-W IEEE 802.11 b/g/n USB Wi-Fi & Bluetooth module with assembly kit and antenna

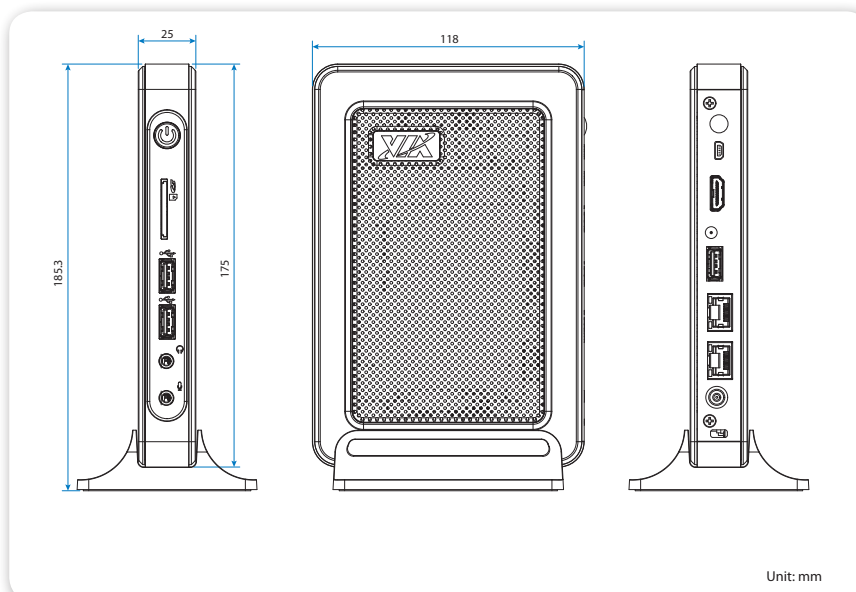
Mounting Options

Part Number	Description
VT6076-C0000A1	VESA mount cradle

Cable Accessories

Part Number	Description
99G33-192458	COM (TX/RX) Cable (Mini USB 2.0 male to 9-pin D-SUB male)
99G33-080297	Debug cable (TX/RX)

Dimensions



Packing List

Items
ALTA DS 4K system
Stand holder
AC-to-DC adapter
Power cord (USA type)
Wi-Fi antenna
(VT60910016002-T sku only)