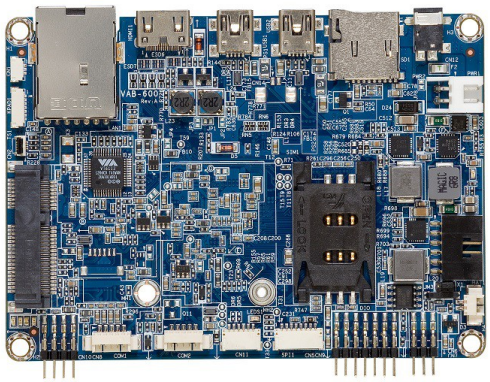
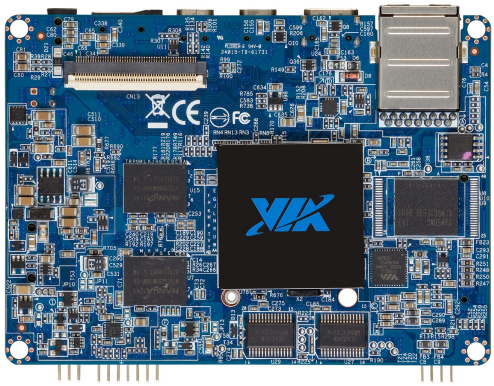
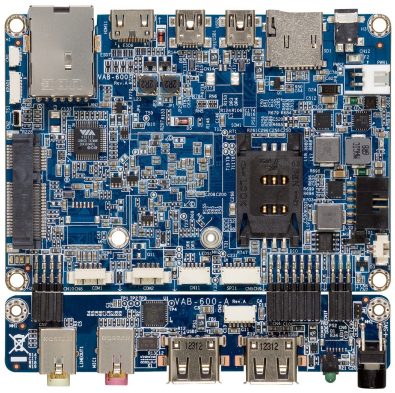
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VAB-600









Powered by WM8950 Cortex A9 Single-Core 800MHz processor

Integrated graphics processing (GPU) for 3D/2D graphics acceleration

Compatible with Android 4.0 and Linux Kernel 3.0.8 operating system

Small form factor and low power design

Fanless and ultra low power consumption

Accept wide range of DC power input (12V ~ 24V)

4GB onboard eMMC Flash memory

Onboard DVO (Digital Video Output) for TTL or LVDS display

Support 4-wire resistive touch screen interface connector

Support Mini Card expansion slot for USB connectivity 3G module

Support SIM card slot for 3G SIM card (used for 3G module without built-in SIM card slot)

Support Micro SD Card slot for expandable storage

Support RJ-45 LAN (Fast Ethernet), Mini HDMI and Mini USB 2.0 ports

Optional Bluetooth BLE and Wifi 802.11

VAB-600 Pico-ITX Board Featuring an 800MHz ARM Cortex-A9 processor, the VAB-600 combines rich multimedia capabilities and flexible I/O connectivity with a wide operating temperature range and low power consumption to provide a versatile and reliable solution for a wide range of HMI, industrial automation, home automation, and other IoT and M2M applications. VAB-600 is an ultra compact Pico-ITX and highly integrated ARM based board measuring 10 cm x 7.2 cm. Powered by 800MHz WonderMedia WM8950 Cortex-A9 single-core processor, with built-in 3D/2D graphics engine and video multistandard decoder. It is also compatible with Android 4.0 and Linux Kernel 3.0.8 operating systems, and provides an impressive rear and onboard I/O in a compact form factor. The ultra compact VAB-600 mainboard is optimized for both performance and power to meet the high end demands of advanced industrial, in-vehicle and multimedia applications while offering extremely low power consumption. It suits with various domain applications such as Tablet PC, Industrial PC, Digital Signage, Thin Client and etc.

Specifications

SBC Type:
p-ITX

Processor

Processor:
WonderMedia WM8950 Cortex-A9 SoC
Clock Speed:
800 MHz
Real Time Clock:

Memory

BIOS/ Bootloader:
512KB SPI Flash ROM
Primary Flash:
4GB eMMC onboard
Secondary Flash:
Micro-SD card

Primary I/O

GPIO:
8 GPIO (4 GPI +4 GPO)
SDIO:
1x SDIO
Disk Interface:
Micro SD card slot

Video Out:
Mini HDMI port
DVO
Audio:
Line-In
line-out
mic-in
Ethernet:
VIA VT6113 10/100 base-TX PHY chip
USB:
3x USB 2.0
Serial Ports:
2x COM ports
Watchdog:
Primary I/O Misc.:
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-1and H.264 video decoding up to 1080p.

DVO connector for TTL or LVDS display (corresponding daughter card required)

Secondary I/O
LPT Port:
Keypad:
PS/2:
Touch:
4-wire resistive touch screen FPC connector (through VT1603A)
Secondary I/O Misc.:
Wifi 802.11 (optional)

Bluetooth BLE (optional)

Analog on
A/D:
D/A:

Dimensions
Dimensions:
3.9 × 2.8 in
Form Factor:
2.5 P-ITX
Dimensions Misc.:
Pico-ITX (10cm x 7.2cm, 3.9" x 2.8")

Power Requirements
Power Misc.:
Power Supply 12V ~ 24V DC-in

Environmental
Low Operating Temperature:
0 C
High Operating Temperature:
60 C
Upper Operating Humidity:
95%

Pricing

VAB-600

VAB-600, 10GAU082000A0, 1GB RAM, 4GB eMMC, 2x COM, 1x USB2, LAN, HDMI, DVO

$98.00

Order:

0

Parent Product:

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