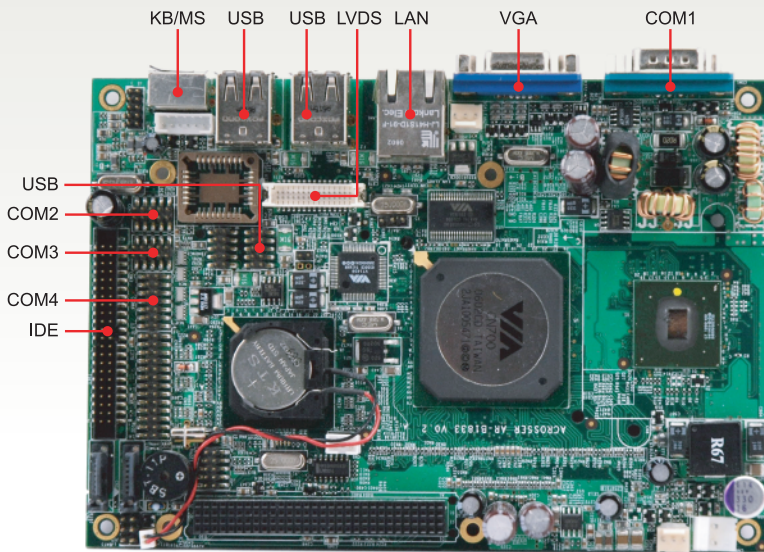




AR-B1833

EPIC SBC Powered by VIA C7 with CRT/LCD, LAN, PCI-104, 4 COMS, 6USB, SATA

Embedded SBC



Features



- ✓ VIA C7 CPU 1.5/1.8GHz
- ✓ Dual Display VGA / LVDS
- ✓ Support DDR2 533/400 up to 1GB
- ✓ 2 x SATA, 4 x COM, 6 x USB2.0

SPECIFICATION

System

CPU	VIA C7 1.8 GHz, 400MHz FSB, VIA C7 1.5GHz, 400MHz FSB
Chipset	VIA CN700 + VT8237R
Memory	1x200-pin DDR2 400/533 SO-DIMM up to 1GM
Battery	Lithium Button Cell Battery, 3V 220mAH
BIOS	Award
Hardware	Yes
Monitoring	
WatchDog Timer	Software programmable 1~63 sec.
OS	Windows 9X/ME, Windows 2000, Windows XP, WinCE
Fan connector	1x CPU Fan 1 x System Fan
Power Input	Meets ACPI 2.0 spec. and PCI bus Power Management 1.1 Compliant AT: Single voltage +12V, ATX: +12V and +5VSB

Video

Video Controller	UniChrome Pro 2D/3D Graphic and Video Controller Integrated AGP v3.5 Compliant 8X / 4X transfer modes, Support MPEG-2 Video Accelerator, Shared system memory up to 64MB (DVMT)
Video Interface	1 x VGA, up to 1600 x 1200 24-bit LVDS port LCD inverter power connector and ON/OFF control Support 3.3V and 5V LCD

Ethernet

Connector	1 x RJ45
Controller	VIA VT6103 (10/100)

Storage

IDE	1 channel Support 2 EIDE devices UltraDMA 133/100/66/33 Master Mode 1
SATA	2 x SATA interface
SSD	1 x Compact Flash socket

I/O

Serial Port	RS-232/422/485 x 1 RS-232 x 3
USB Port	4 x USB 2.0 External connectors 2 x USB 2.0 Internal ports
Audio	AC'97 Stereo (MIC-In/Line-In/Line-Out)
Audio Codec	VT1616
GPIO	8 Independent TTL level I/O (2x5x2.0)
Parallel Port	LPT Port x 1, supports SPP/EPP/ECP modes.
Keyboard/Mouse	1 x PS/2 for keyboard and mouse
Expansion Slot	PCI-104 (PCI Interface)
Touch Screen	2.54mm 10-pin header (Share with RS232C)

Mechanical & Environment

Dimension	115mm x 165mm (4.5 x 6.5")
Power Mode	AT / ATX
Power Requirement	Meets ACPI 2.0 specification and PCI bus Power Management 1.1, Compliant, AT: Single voltage +12V, ATX: +12V and +5VSB
Operating Temp.	0~60°C (32~140°F)
Storage Temp.	-20~80°C (-4~176°F)
Relative Humidity	5 to 90% @ 40°C, non-condensing
Safety	CE, FCC Class A

Ordering Information

AR-B1833C71.5G

CPU Board (Onboard VIA C7 1.5GHz)
Cooler, AT Power cable, ATX Power cable
IDE cable (44pin to 2 x 40 pin)
K/M cable

AR-B1833C71.8G

CPU Board (Onboard VIA C7 1.8GHz)
Cooler
AT Power cable, ATX Power cable
IDE cable (44pin to 2 x 40 pin)
K/M cable

Optional

ACC-1833 Cable Set

- 1 x COM cable (RS-232)
- 1 x Audio cable (Line-in/Line-out/Mic-in)
- 1 x USB Cable
- 1 x LPT cable (DB-25)
- 1 x SATA Cable