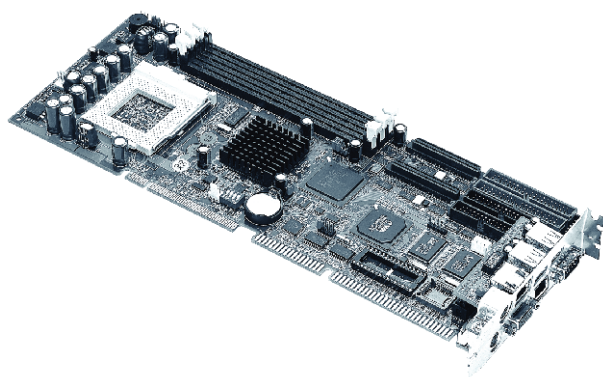


Full-size FSB 133MHz Socket 370 PICMG-bus CPU Card with VGA (CRT), Dual LAN, SCSI, DOC

## AR-B1684 Series



## Features

- Supports Intel Socket 370/FC-PGA Pentium III CPU up to 933+ MHz
- On-board three 168-pin DIMM sockets supports system memory up to 1.5 GB
- Support 66/100/133 MHz FSB
- Socket for Disk On Chip (DOC)
- PICMG standard compliant
- VIA VT8604 + VT82C686B chipset
- Supports two Ultra 160 SCSI with 160MB/sec transfer rate
- On-board 10/100M Base-T Ethernet function, expandable to 2 ports (Optional)
- VGA Display VIA VT8604 UMA
- ISA High Drive 64 mA (HISA)
- Supports two USB ports, expandable to four USB ports (Optional)

## Specifications

### General

CPU	Support Intel Socket 370/FC-PGF Pentium III CPU FSB 66/100/133MHz up to 933 MHz (and above)
Chipset	VIA VT8604 + VT82C686B
BIOS	AMI
System Memory	Three DIMM sockets, supports maximum 1.5GB SDRAM memory
Watchdog	Software programmable 1~63 seconds
RTC	Supports ACPI function with 7 years data retention
Serial Port	One RS-232C COM port One RS-232C/IrDA/Touch Screen port
Parallel Port	One parallel port, support SSP/EPP/ECP modes
Enhanced IDE	Two Dual-channel bus master IDE ports, supports Ultra DMA/100/66/33
FDD interface	Supports one FDC port
USB	Supports two USB connectors, USB 1.0 compliant, expandable to four USB ports (Optional)
Keyboard and PS/2 mouse	Supports PS/2 compatible connector
H/W monitoring	VIA VT866B, supports Power Voltage, FAN speeds and CPU temperature monitoring

### SCSI

SCSI	Use SIMBIOS 53C1010, supports two Ultra 160 SCSI with 160MB transfer rate, built-in two SCSI connector (AR-B1684VSL, AR-B1684VSL2 only)
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### VGA Display

Chipset	VIA VT8604 built-in VGA
Interface	CRT

### LAN

Chipset	Realtek RTL8139C
Interface	Supports 10/100Mbps Base-T with RJ-45 connector built-in LED, expandable 2 ports (AR-B1684VL2, AR-B1684VSL2 only)

### Solid State Disk

Solid State Disk	One socket for M-system D.O.C. memory capacity 8~288 MB
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### Mechanical and Environmental

Power requirements	+5V and +12V, ATX input power connector to satisfy external Switch
Dimensions	338 mm x 122 mm (13.3" x 4.8")
PC Board	6 layers
Operating temperature	0~60°C
Storage Temperature	-20~80°C
Operating humidity	0% ~ 90% Relative humidity non-condensing

## Ordering information:

Model No.	Description	Accessories
AR-B1684VL	PICMG-bus for Pentium III SBC with VGA / LAN	1. Cable: HDD/FDD Cables, Parallel/COM port Cables 2. CD drivers: IDE, VGA, LAN, SCSI drivers for Windows 95/98, NT, OS/2, Linux 3. Daughter Board AR-B9460B for AR-B1684VSL and AR-B1684VL 4. Daughter Board AR-B9460A for AR-B1684VSL2 and AR-B1684VL2
AR-B1684VL2	PICMG-bus for Pentium III SBC with VGA / LANx2	
AR-B1684VSL	PICMG-bus for Pentium III SBC with VGA / SCSI / LAN	
AR-B1684VSL2	PICMG-bus for Pentium III SBC with VGA / SCSI / LANx2	