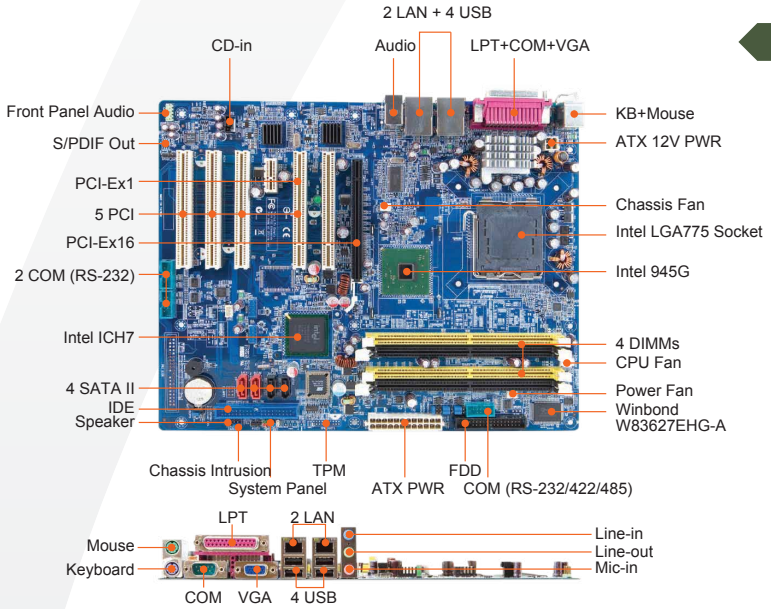
ATX Motherboard

BV945G

Intel® 945G with Core™2 Duo ATX Motherboard



Features

- Socket 775 supports Intel® Core™ 2 Duo FSB 1066MHz CPU
- Intel® 945G + ICH7 Chipset
- Four 240-pin DDR2 DIMM 667MHz, up to 4GB
- Intel® Graphic Media Accelerator 950
- Realtek ALC888, 5.1 + 2 Channel HD Streaming Audio
- Dual Intel® 82573L Gigabit LAN
- 1 PCI-E x 16, 1 PCI-E x 1, 5 PCI 2.2
- 4 COM, 8 USB 2.0, 4 SATA II

Intel GMA 950 | PCI-E x 16 | PCI-E x 1 | PCI | Dual GbE LAN | 4 COM

Specifications

System

CPU	Intel LGA775 socket supports Core™2 Duo/ Core™ Duo/ Pentium® 4/ Celeron® D CPU with 45/ 65nm process technology
FSB	1066/800/533 MHz
BIOS	Award 4Mb Flash ROM BIOS
System Chipset	Intel® 945G + ICH7 Chipset
I/O Chip	Winbond W83627EHG-A
System Memory	Four 240-pin DIMM sockets support up to 4GB dual channel DDR2 667/533 SDRAM
Watchdog Timer	Reset : 1 to 255 sec/min per step
H/W Status Monitor	Monitoring temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion	1 PCI-E x 16, 1 PCI-E x 1, 5 PCI slots (PCI Rev. 2.2 compliant)
Power State	S1, S3, S4, S5
SmartFan Control	Yes

I/O

MIO	1 IDE, 4 SATA II, 1 FDD, 1 LPT, 3 COM RS-232, 1 COM RS-232/422/485, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	8 USB 2.0

Display

Chipset	Intel® 945G integrated Graphics Media Accelerator 950
Display Memory	Intel DVMT 3.0 supports 224MB video memory
Max. Resolution	2048 x 1536 (@75Hz)
VGA	On board
LVDS	Through ADD2 LVDS Card
DVI	Through ADD2 DVI Card
2nd VGA	Through ADD2 VGA Card

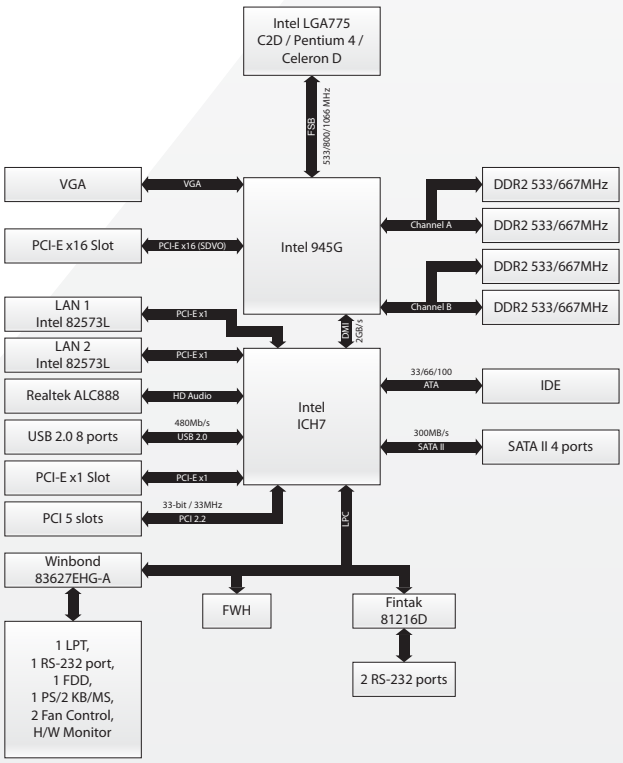
Audio

Audio Codec	Realtek ALC888, 5.1 + 2 CH HD Audio
Audio Interface	Line-in, Line-out, Mic-in, S/PDIF Out

Ethernet

LAN 1	Intel® 82573L Gigabit LAN
LAN 2	Intel® 82573L Gigabit LAN

Block Diagram



Ordering Information

BV945G
90A-945G20-10000B2
BV945G ATX Motherboard

Product Offering

until 2013

Packing List

COM Cable	x1
2 Port COM Cable w/ Bracket	x1
SATA Data Cable	x2
SATA Power Cable	x2
FDD Cable	x1
IDE Cable	x1
I/O Shield	x1
Driver CD	x1
Startup Manual	x1

Optional Accessory

14GS0300020V04	USB Cable w/ Bracket
14GS0300021V04	USB Cable w/o Bracket

Back Panel I/O Port

1 PS/2 Keyboard
1 PS/2 Mouse
1 LPT
1 COM RS-232 Port
1 VGA Port
2 LAN RJ45 Ports
4 USB Ports
Audio I/O (3 jacks)

Internal I/O Connector

2 USB Connectors support 4 USB Ports
1 FDD Connector
1 IDE Connector for two devices
3 COM RS-232 Connectors
1 Chassis Intrusion Connector
1 CD Audio-in Connector
1 Front Panel Audio Connector
1 S/PDIF Connector
1 System Panel Connector
1 CPU Fan Connector
1 Chassis Fan Connector
1 Power Fan Connector

Mechanical & Environmental

Power Requirement	+12V 10.12A	+5V 4.26A	+3.3V 1A	5VSB 1.14A
Power Type	ATX			
Power Connector	1 24-pin ATX Power Connector 1 4-pin ATX 12V Power Connector			
Operating Temperature	0 to 60°C (32 to 140°F)			
Operating Humidity	0% to 90% relative humidity, non-condensing			
Size (L x W)	12" x 9.6" (304.8 mm x 243.84 mm)			
Weight	1.32 lbs (0.6 Kg)			

** The product information and specifications are subject to change without prior notice.
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