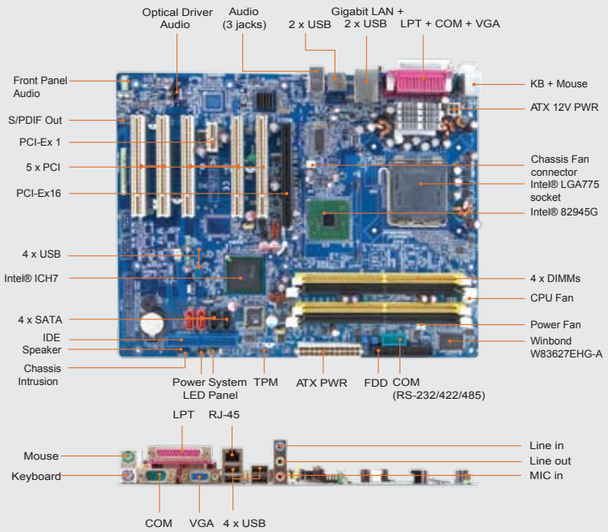
BV945GL

Intel® 945G LGA775 Core™ 2 Duo / Core™ Duo Pentium® 4 / Pentium® D / Celeron® D ATX Main Board

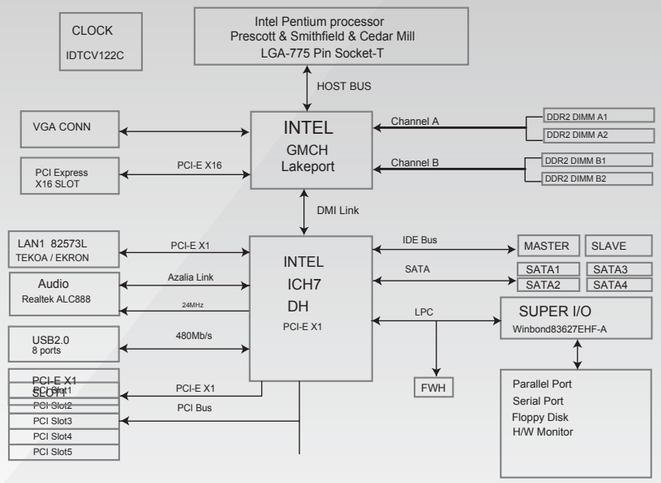


Features

- Supports Intel LGA775 Core 2 Duo Core Duo / Pentium 4 / Celeron D CPU with 65nm process technology
- Intel 82945G Chipset
- Four 240-pin DIMMs up to 4 GB Dual Channel DDR2 667/533 SDRAM
- Intel Graphics Media Accelerator 950
- Realtek ALC888 7.1 Ch. High Definition Audio
- Dual Intel 82573L Gigabit LAN
- 1 PCI-E X16, 1 PCI-E X1, 5 PCI 2.2
- 2 COM, 8 USB 2.0, 4 SATA

Intel GMA 950 | GigaLAN | PCIeX16 | 4 SATA | TPM

Block Diagram



Ordering information

AX945G2

Intel LGA775 Core 2 Duo / Pentium D Pentium 4 / Celeron ATX Main Board with VGA, Audio, Gb LAN, 2 COM, 8 USB 2.0, 1 PCI-E X16, 1 PCI-E X1, & 5 PCI

Packing List of BV945GL

80A-945G20-1000LB2	
AX945G2 ATX Motherboard	x1
14G000011238	
CABLE 2IN1 FD/ATA W/K	x1
14G000020096	
COM1 CABLE 9P,L:260mm	x1
14G000100915	
SATA CABLE KIT(SATA/POWER)	x2

Specifications

System

CPU	Supports Intel LGA775 Core 2 Duo / Core Duo Pentium 4 / Celeron D CPU with 65nm process technology
FSB	1066/800/533 MHz
BIOS	Award 4 Mb Flash ROM BIOS
System Chipset	Intel 82945G GMCH/ ICH7
I/O Chip	Winbond W83627EHG-A
System Memory	Four 240-pin DIMM sockets support up to 4 GB Dual Channel DDR2 667/533 SDRAM
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
Expansion	One PCI Express X16, one PCI Express X1, five PCI slots (PCI Rev. 2.2 compliant)
S3	S3 Support
Fan Control	Yes

I/O

MIO	1 x EIDE (Ultra DMA 100), 4 x SATA, 1 x FDD , 1 x LPT, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
USB	8 x USB 2.0 ports

Display

Chipset	Intel 82945G GMCH integrated Graphics Media Accelerator 950
Display Memory	Intel DVMT 3.0 supports 224 MB video memory
Max. 3D Resolution	2048 x 1536 @ 32 bpp (75 Hz)
External VGA Interface	PCI-E x16 Interface
LVDS	Through ADD2 LVDS Card
DVI	Through ADD2 DVI Card
Secondary VGA	Through ADD2 VGA Card

Audio

Audio Code	Realtek ALC 888, 7.1 Ch. High-Definition Audio Codec
Audio Interface	Mic in, Line in, CD Audio in, Line out

Ethernet

LAN 1	Intel 82573L Gigabit LAN

Back Panel I/O Port

1 x PS/2 Keyboard / 1 x PS/2 Mouse / 1 x Parallel port
1 x Serial port / 1 x VGA port / 1 x LAN RJ45 ports
4 x USB ports / 5.1 +2 CH Audio I/O (3 jacks)

Internal I/O Connector

* 2 x USB connector supports additional 4 USB ports
* 1 x 24-pin ATX Power connector
* 1 x 4-pin ATX 12V Power connector
* 1 x Floppy disk drive connector
* 1 x IDE connector for two devices
* 1 x COM connectors
* 1 x IDE connector for two devices
* 1 x CD audio in connect
* 1 x TPM connector (option)
* 4 x SATA connectors
* 1 x Front panel audio connector
* 1 x SPDIF out connector
* 1 x System panel connector
* 1 x CPU Fan connector
* 1 x Chassis Fan connector
* 1 x Power Fan connector

Mechanical & Environmental

Power Type	ATX
Operating Temperature	0~60°C (32~140°F)
Operating Humidity	0%~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)