

System Specifications

CPU	LGA775 socket for Intel® Quad-core / Core™2 Extreme/ Core™2 Duo / Pentium® D / Pentium® 4 / Celeron® D processor Compatible with Intel® 05B/05A/06 processors Supports Intel® Hyper-Threading Technology
Chipset	Intel® Q965 / ICH8 or ICH8DO (optional) with Intel® Active Management Technology
System Bus	1066 / 800 / 533 MHz
Memory	4 x 240pin DIMM, max. 8GB, DDR2 800 / 667 / 533 MHz, non-ECC, un-buffered memory Dual channel memory architecture
Expansion Slots	1 x PCI-E x16 slot, 1 x PCI-E x4 slot, 5 x PCI slots
VGA	Intel® Graphics Media Accelerator 3000 (Intel® GMA 3000) integrated High Definition Video Processing with max. resolutions to Max resolution to 2048 x 1536 bpp (@75Hz) Max. shared memory of 256MB Supports Microsoft® DX 9, OpenGL 1.4, Pixel Shader 2.0
Storage	Southbridge - 4 x SATA 3.0 Gb/s ports, or 6 x SATA 3.0 Gb/s ports (Intel ICH8DO only) - Intel® Matrix Storage Technology supports RAID 0, 1, 5, and 10 (Intel ICH8DO only) JMicron® JMB363 PATA and SATA controller - 1 x UltraDMA 133/100/66/33 for up to 2 PATA devices - 1 x Internal SATA 3.0 Gb/s port - 1 x External SATA 3.0 Gb/s port (SATA On-the-Go) - Supports SATA RAID 0, 1 and JBOD (by 1 x External SATA & 1 x Internal SATA)
LAN	Intel® 82566DM PCI-E Gigabit LAN Controller
Audio	ADI® AD 1988 8-channel High Definition Audio CODEC Supports Jack-Sensing, Enumeration, Multi-streaming and Jack-Retasking Supports S/PDIF_OUT interface
IEEE 1394	TI® 1394a controller supports 2 x IEEE 1394a ports (one at by internal header; one at back panel) (optional)
USB	10 x USB 2.0 ports (6 ports at mid-board, 4 ports at back panel)
Back Panel I/O Ports	1 x PS/2 keyboard port 1 x PS/2 mouse port 1 x Parallel port 1 x External Serial ATA port 1 x VGA port 1 x IEEE 1394a connector (optional) 1 x RJ45 port 4 x USB 2.0/1.1 ports Audio I/O ports (6 jacks)
Internal Connectors	3 x USB connectors support additional 6 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 4 x COM connector 1 x CD audio in connector 1 x TPM connector 5 or 7 (Intel ICH8DO only) x SATA connectors 1 x Front panel audio connector 1 x S/PDIF Out Header 1 x System panel connector 1 x CPU Fan connector 2 x Chassis Fan connector 1 x Power Fan connector 1 x IEEE 1394a connector (optional)
BIOS Features	16 Mb Flash ROM, Phoenix Award BIOS, PnP, DMI 2.0, WfM2.0, SM BIOS
Manageability	DMI 2.0, WOL by PME
Form Factor	ATX form factor: 12" x 9.6" (30.5 cm x 24.4 cm)

Jumpers & Connectors

Jumpers & Connectors

Label	Function
FLOPPY	Floppy disk drive connector
EATXPWR	24 Pin ATX power connector
ATX12V	4 Pin 12V power connector
PRI_EIDE	IDE connector
SATA1~6	SATA connector
SATA_RAID1	JMicron® JMB363 Serial ATA RAID connector
SPDIF_OUT	Digital Audio connector
AAFP	Front panel audio connector
CD	Optical drive audio connector
PWR_FAN	Power supply fan connector
CPU_FAN	CPU fan power connector
CHA_FAN	System fan power connector
CHA_FAN2	System fan power connector
F_PANEL	<ul style="list-style-type: none"> • Power/Soft-off button (Black 2-pin PWRSW) • System Power LED connector (2-pin PWRLD) • Reset button (Blue 2-pin RESET) • Hard disk drive activity (Red 2-pin IDELED)
USB56~910	USB connector
TPM_SLOT	TPM 1.2 Module Connector
CLRTC	Clear CMOS jumper
KBPWR	Keyboard power jumper
COM1~4	COM connector (RS-232)
IR_CON1	IrDA connector



