

ITX-220

Cost Effective Solution for Nettop



- Intel® Celeron 220 on board
- Intel® 945GC/ ICH7 chipset
- 2 x DDR2 DIMM sockets support up to 4GB of system memory
- High Speed Gigabit Lan connectivity
- Mini-ITX Form Factor



Intel® Celeron 200 Series

Intel latest high efficiency desktop CPU by TDP low to 19w. With Conroe-L core, this cpu could support Intel 64bit and Execute Disable Bit technology. High performance with extremely low power consumption you can count on.



Intel® 945GC Chipset

The Intel 945GC graphics memory controller hub(GMCH) and the ICH7 I/O controller hub provide the vital interfaces for the motherboard. The GMCH features the Intel Graphics Media Accelerator 950, an integrated graphics engine for enhanced 3D, 2D, and video capabilities.



Intel Graphics Media Accelerator 950

The Intel Graphics engine has new capabilities that provide a significant increase in graphics performance. DirectX 9 hardware acceleration, 400MHz core clock, and up to 224MB of video memory all together provide a full-value, high performance graphic solution to you. Through a dual-independent display technology, different content can be displayed on each monitor or stretched across both displays for more workspace.



Dual-Channel DDR2

Dual-channel DDR2 technology doubles the bandwidth of your system memory and hence boost the system performance to out perform any memory existing solutions in the market.



High Definition Audio

Enjoy high-end sound system on your PC! The onboard HD audio (High Definition Audio, previously codenamed Azalia) CODEC enables high-quality 192KHz/24-bit audio output, jack-sensing feature, retasking functions and multi-streaming technology that simultaneously sends different audio streams to different destinations. You can now talk to your partners on the headphone while playing a multi-channel network games. All of these are done on one computer.



SATA 3Gb/s

This motherboard supports next-generation SATA hard drives based on the new SATA 3Gb/s storage specification.



USB 2.0 ports supports

USB 2.0 is the latest connectivity standard for next generation components and peripherals. Backwards compatible with current USB 1.1 peripherals, USB 2.0 delivers transfer speeds up to 40 times faster at 480Mb/s, for easy connectivity and ultra-fast data transfers.



EZ Flash 2

EZ Flash2 is a user-friendly BIOS update utility. Simply press the pre-defined hotkey to launch this tool and update BIOS before entering the OS.



CrashFree BIOS 3

The ASUS CrashFree BIOS 3 allows users to restore corrupted



MyLogo 2

You can convert your favorite photo into a 256-color boot logo for



BIOS data from a USB flash disk containing the BIOS file. This utility saves users the cost and hassle of buying a replacement BIOS chip.



a more colorful and vivid image on your screen.



Compliance with the RoHS Directive

The motherboard and its packaging comply with the European Union's Restriction on the use of Hazardous Substances (RoHS). This is in line with the ASUS vision of creating environment-friendly and recyclable products and packaging to safeguard consumers' health while minimizing the impact on the environment.



Back Panel I/O Ports

Spezifikationen

	Intel® Celeron 220
CPU	CPU Fan
	- Dimension of Fan: 40*40*10mm
	- Rated Speed: 5000±10% R.P.M.
	- Voltage(V): DC 12V
	- Maximum Air Flow: 5.57CFM - Noise: 25,3dBA (Max. 27.5 dBA)
Chipsatz	Intel® 945GC /ICH7
Front Side Bus	533 MHz
Memory	2 x DIMM, Max. 4 GB, DDR2 533 Non-ECC, Un-buffered Memory
	Dual Channel memory architecture * Refer to www.asus.com or user manual for Memory QVL (Qualified Vendor List)
Expansion Slots	1 x PCI
VGA	Integrated Intel Graphics Media Accelerator 950
	D-sub Max. resolution: 2048x1536x32Bppx75Hz Maximum shared memory of 224 MB
Storage	Southbridge 2 x SATA 3 Gb/s ports
LAN	Realtek PCIe Gb LAN
Audio	VIA VT1705 6 -Channel High-Definition Audio CODEC
USB	6 USB 2.0 ports (2 ports at mid-board, 4 ports at back panel)
Special Features	ASUS MyLogo 2
	ASUS EZ Flash 2
	ASUS CrashFree BIOS 3
Back Panel I/O Ports	1 x D-Sub
	1 x PS/2 Keyboard
	1 x PS/2 Mouse
	1 x LAN(RJ45) port
	4 x USB 2.0/1.1
	1 x COM port 6 -Channel Audio I/O
Internal I/O Connectors	1 x USB connectors supports additional 2 USB ports
	1 x CPU Fan connector
	1 x Chassis Fan connector
	1 x Speaker connector
	1 x Chassis Intrusion connector
	1 x Front Panel connector
	1 x High Definition front panel audio connector
	1 x 24-pin EPS 12V Power connector
	1 x 4-pin ATX 12V Power connector 1 x TPM header (optional)
BIOS	8 Mb Flash ROM
	AMI BIOS, PnP, DMI v2.0, Wfm2.0, SM BIOS 2.5, ACPI v2.0a
Accessories	User's manual
	1 x I/O Shield
	1 x SATA cable

Support CD	Drivers ASUS PC Probe II Anti-virus software (OEM version) ASUS Update English User's Manual
Form Factor	Mini ITX Form Factor 6.75 inch x 6.75 inch (17.1 cm x 17.1 cm)