Specs
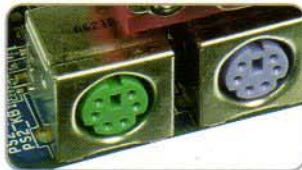
LGA775-based Pentium 4, Celeron D, Pentium D, and Core 2 Duo processor support, Intel 945G, Front Side Bus: 1066 / 800 / 533 MHz, Supports DDR2-400, DDR2-533, DDR2-667, Memory Slots: 4 x DIMM, max. 1GB per DIMM, max. 4GB total system memory, 1 x PCI-E x16, 1 x PCI-E x1, 2 x PCI 2.3, 1 x HDMR, Onboard SATA x 4, 1 x UltraDMA 100/66/33, 8 x USB 2.0 ports, Realtek RTL8111B PCIE 10/100/1000Mb/s Ethernet LAN.

Warranty 2 years
Price RM325
Contact Planet Technology (M) Sdn Bhd
Tel 03-5032 8383
URL www.asrock.com

Value ⬤⬤⬤⬤◯
Performance ⬤⬤⬤◯◯
Features ⬤⬤⬤⬤◯

PC.com RECOMMENDED AWARD

ASRock

ASRock Inc., established in 2002, is an energetic company with the combination of technology and humanity. Devoting efforts to bring customers the innovative and reliable motherboards with the design concept of 3C.

Verdict

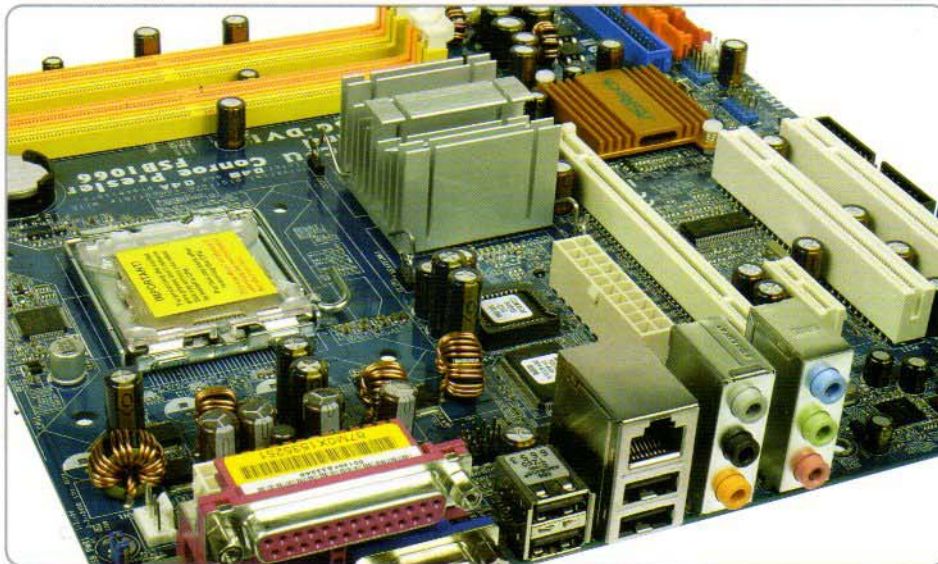Very affordable budget board for the Intel market that provides a nice feature set.

8/10
Score

Unusual peripheral socket alignment

Intel 775 support

Large traditional passive cooling

Budget Board
ASROCK ConRoe 945G-DVI

ASRock recently shipped us their ConRoe945G-DVI motherboard for evaluation. This board brings with it a full set of features including a separate DVI card that allows for dual monitor usage with the onboard Intel GMA950 graphics chip. While the onboard video is fine for general desktop usage and surfing the Internet, it is not meant for 3D gaming.

The 945G chipset used by ASRock in their ConRoe945G-DVI motherboard is over a year old, and it is paired with the Intel ICH7. My first impression of the motherboard was very good as the layout of the board is clean and well organised for a mATX design. The 945G chipset does not support the Pentium EE or XE series of processors. The BIOS layout and configurable options are representative of a budget performance system. We would like to note that if the X16 PCI Express slot is not utilised for a GPU then it will operate as an X1 PCI Express capable slot. However, the options available allow enough control over the memory and subsequent performance of the board as not to hinder the user, except for two settings.

ASRock designed a very well laid out board with all major connections easily reached. The layout provides very good clearance for cards and components while being very simple to install in our mid-size ATX case or mATX case. The board features a 4-phase voltage regulator power design that provided very good stability during general usage and light overclocking. The DIMM module slots' color coordination is correct for dual channel setup. The memory modules are easy to install with a full size video card placed in the PCI Express X16 slot. The battery and clear CMOS jumper are located at the right edge of the number one DIMM slot. The orange and pink Intel ICH7 SATA ports are conveniently located on the board's left edge and next to the blue IDE port connector. Unlike other recently reviewed boards the SATA ports are color coded for primary and secondary operation if this is important to you. We found the positioning of the SATA ports to be excellent when utilising the PCI slots or the single IDE port connector. The Intel ICH7 chipset is passively cooled with a low-rise heat sink.

The board comes with one physical PCI Express X16 connector, one PCI Express X1 connector, one HDMR slot, and two PCI 2.3 compliant 32-bit connectors. The layout of this design offers a good balance of expansion slots for a mATX board. The 20-pin ATX power connector is located in an unusual position in front of the large passive heat sink for the Intel 945G MCH. The PCI Express X16 connector is located next followed by the single X1 PCI Express connector. The location of this PCI Express X1 connector allows installation of most peripheral PCI Express cards and is only blocked by most dual slot video card designs.