



Main Features

- Supports Intel® Pentium® 4/4-M/Celeron® Processors with 400/533 MHz FSB
- Supports 2 x 184-pin DIMM DDR 266/333 Memory up to 2 GB
- Intel® 82845GV Chipset
- Supports 1 x Intel® 82562EM 10/100 LAN and 1 x Intel® 82541 Gigabit LAN
- Standard ATX Form Factor with 4 x PCI Slots, 3 x ISA Slots
- 6 x USB 2.0, 4 x COM Ports

Product Overview

The NEX 716VL2G is an industrial ATX board that supports Intel® Pentium® 4, Pentium® 4-M, or Celeron® processors with 400/533 MHz FSB up to for a range of frequencies and L2 cache. The NEX 716VL2G incorporates Intel® 82845GV and 82801DB (ICH4) chipset. The Intel® 82845GV supports un-buffered non-ECC DDR 266/333 memory up to 2 GB and an integrated graphic controller with 64 MB VGA shared memory.

The South Bridge ICH4 is a low power consumption chipset, which support three ISA slots, four PCI slots, a parallel port, a floppy port, and two 40-pin IDE connectors. The other supported I/O ports include four serial ports, six USB ports, one 10/100 LAN and one Gigabit LAN. The NEX 716VL2G Series offer a wide range of processor flexibility and rich I/O ports to fit in various applications.

Specifications

CPU Support

- Intel® Pentium® 4 processor up to 3.06 GHz with 512 KB L2 cache and 400/533 MHz FSB, Hyper-Threading technology and Intel® Net Burst Micro architecture support
- Intel® Pentium® 4-M Processor up to 2.6 GHz with 512 KB L2 cache, 400 MHz FSB and Intel® Net Burst Micro architecture support
- Intel® Celeron® processor up to 2.8 GHz with 128 KB L2 cache and 400 MHz FSB

Main Memory

- Two 184-pin DIMM sockets support up to 2 GB unbuffered non-ECC DDR 266/333 SDRAM
- Does not support double-sided x 16 DDR Chip
- Does not support stacking type memory

Chipset

- Intel® 82845GV chipset
- Intel® 82801DB (ICH4)

BIOS

- Award system BIOS
- Plug & Play support
- 4 Mbit flash ROM
- APM (Advanced Power Management) support
- ACPI (Advanced configuration & Power Interface) support

On-board LAN

- Intel® PRO/100 Network Connection (Intel LAN S82551 ER) x 2
- Intel® 82562 EM 10/100 Fast Ethernet Controller x 1
- Intel® 82541GI Gigabit Ethernet Controller x 1

Display

- Intel® 82845GV chipset with integrated graphics controller
- 64 MB VGA shared memory
- 15-pin CRT connector x 1

I/O Interface

- Serial port: SIO x 4 (COM2 with 422/485 optional), 9-pin header x 3, 9-pin D-Sub connector x 1
- Parallel port: D-Sub 25-pin connector x 1, EPP/ECP support
- LAN: 10/100 Fast Ethernet LAN x 1 and GbE LAN x 1
- IDE HDD: Dual Ultra ATA 33/66/100 channels, 40-pin connector x 2, supports up to 4 HDDs (4 EIDE device support)
- Floppy: 34-pin connector x 1
- PS/2 Keyboard/Mouse: Mini-Din connector x 2
- GPIO (4-in, 4-out)
- Reset SW: on-board 2-pin header
- SM bus: on-board 2-pin header
- USB 2.0 x 6
- 5-pin IrDA pin header x 1

