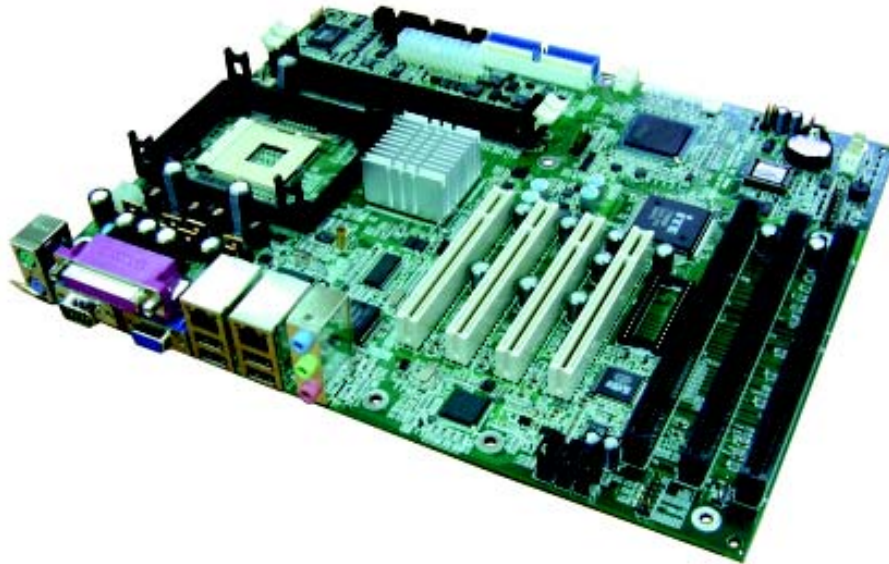




# NEX 716VL2G

Intel® Pentium 4 Industrial ATX-Motherboard  
With 533MHz FSB, ISA slot, USB 2.0 and Graphic support



## FEATURES

- ▶ Intel® Pentium® 4/Celeron™ processor up to 3.06GHz+ or Intel® Pentium® 4 Mobile processor up to 2.5GHz+ with 400/533 MHz FSB
- ▶ Max. 2GB DDR memory in 2 DIMM slots
- ▶ Intel® 845GV chipset integrated with Graphics Controller with 32MB VGA shared memory
- ▶ Intel® 82562 10/100 fast Ethernet and Intel® 82541GI Gigabit Ethernet
- ▶ On-board PCI slot x 4, ISA slot x 3
- ▶ Standard ATX form factor

## SPECIFICATION

### Form Factor

- . ATX 12" x 9.6"

### CPU

- . Intel® Pentium® 4/Celeron™ processor up to 3.06GHz+ or Intel® Pentium® 4 Mobile processor up to 2.5GHz+ with 400/533 MHz FSB
- . 512K L2 cache on-die depend on CPU
- . Intel® NetBurst™ Microarchitecture, support Hyper-Threading technology

### Main Memory

- . Max. 2GB DDR SDRAM memory (DDR266/333), 184-pin DIMM x 2, single-sided/double-sided
- . Support un-buffered, non-ECC only
- . Does not support double-sided x 16 DDR DIMMs

### BIOS

- . Award system BIOS
- . 4M bits flash ROM
- . Plug & Play support
- . APM (Advanced Power Management)

support

- . ACPI (Advanced configuration & Power Interface) support

### Chipset

- . Intel® 845GV chipset
- . Intel® 82801DB I/O Controller Hub (ICH4)
- . FWH

### On-board VGA

- . Intel® 845GV chipset integrated with Graphics Controller
- . 32MB VGA shared memory
- . 15-pin CRT connector x 1

### On-board LAN

- . Intel® 82562 10/100 Ethernet controller and Intel® 82541GI Gigabit Ethernet controllers
- . Full duplex compliant with IEEE802.3x
- . RJ45 with LED connnector x 2



### I/O interface

- Super I/O ITE IT8712F and FINTEK F81216D
- Serial port: SIO x 4 (COM2 with 422/485 option), 9-pin header x 2, 9-pin D-Sub connector x 2
- Parallel port: D-Sub 25-pin connector x 1, EPP/ECP support
- Floppy Disk Controller: 34-pin connector x 1
- Enhance IDE: Dual Ultra ATA33/66/100 channels, total 4E.IDE Devices support, 40-pin connector x 2
- PS/2 keyboard/mouse: Mini-Din connector x 2
- GPIO (4-in/4-out) pin header
- 5-pin IrDA connector x 1
- Reset SW: on-board 2-pin header
- SM bus: on-board 2-pin header
- USB 2.0 port x 6 (connector x 4 + pin header x 2)

### On-Board Audio:

- Audio interface: AC'97 Audio Codec ALC655
- Phone jack x 3 in rear side (Line-in/ Line-out/ Mic-in)
- CD-in, Video-in and Aux-in header on board

### On-Board Slots:

- 32bit/33MHz PCI slot x 4
- ISA slot x 3

### System Monitor

- Derived from ITE8712F super I/O
- 8 voltage (for +1.5V, +3.3V, +5V, -5V, +12V, Vcore, +3.3V stand-by and +5V stand-by)
- 3 FAN speed (1 for CPU and 2 for system featuring with programable FAN speed)
- 2 temperature

### Real Time Clock

- On-chip RTC with battery back up

### Watchdog Timer

- 1-255 seconds time-out intervals

### Dimensions

- 305mm (L) x 244mm (W), 12" x 9.6"

### Power Requirements:

- +3.3V: TBD
- +5V: TBD
- +12V: TBD
- +5V stand-by: TBD

### Environments

- Operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

### Certification

- CE
- FCC

## Ordering information

### NEX 716VL2G

Intel® Pentium® 4/ Pentium® 4 Mobile/ Celeron™ Processor w/ Dual LAN (Intel® 82541GI Gigabit Ethernet + Intel® 82562 10/100 Ethernet controllers)