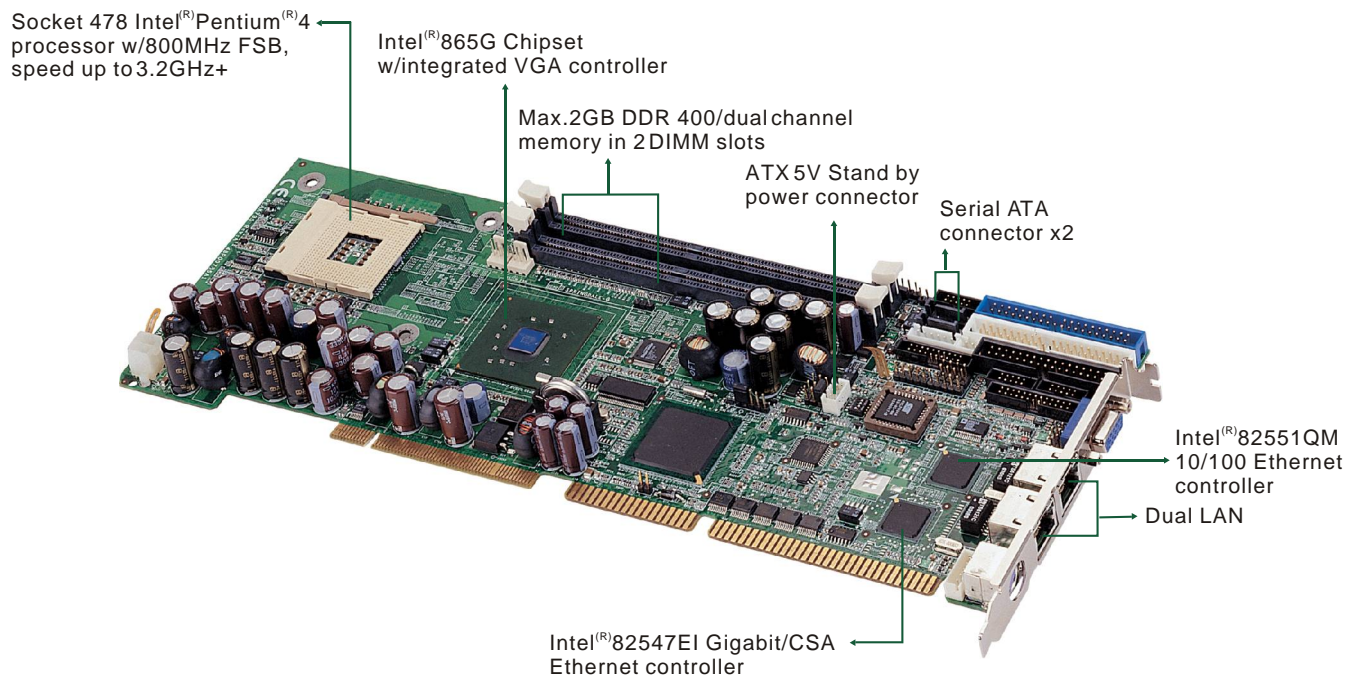




PEAK 735VL2G

Full-size Socket 478 Intel[®] Pentium[®] 4 processor/800MHz FSB SBC



- **Socket 478 for Intel[®] Pentium[®] 4 processor up to 3.2GHz+ with 800MHz FSB**
- **Intel[®] 865G/ICH5 chipsets**
- **Max. 2GB DDR 400 / dual channel memory in 2 DIMM slots**
- **Integrated VGA, CRT connector x 1**
- **Intel[®] 82547EI Gigabit Ethernet controller in CSA port & Intel[®] 82551QM 10/100 Ethernet controller**
- **Serial ATA port (150MB/s) x2 / USB 2.0 port (480Mbps) x 2**

Feature

PEAK 735VL2G

Specification

System Architecture	<ul style="list-style-type: none">• Full size SBC with PCI/ISA Golden finger• PICMG 1.0 (Rev.2.0) compliant• USB 2.0 compliant
CPU Support	<ul style="list-style-type: none">• Intel[®]Pentium[®]4 processor, 800MHz FSB,CPU up to 3.2GHz or above• Support Hyper-Threading technology
Main Memory	<ul style="list-style-type: none">• DDR DIMM x2 max. memory up to 2GB (DDR400)• Support two 64-bit DDR channels,
BIOS	Award System BIOS
Chipsets	• Intel [®] 865G (GMCH) chipsets
On Board LAN	<ul style="list-style-type: none">• Intel[®]82547EI Gigabit Ethernet controller and Intel[®]82551QM 10/100 Ethernet controller x1 for PEAK 735VL2G• Intel[®]82551QM Ethernet controller x1 and Intel 82562EX 10/100 Ethernet Controller x1 for PEAK 735VL2• Single Intel[®]82551QM Ethernet controller for PEAK 735VL• RJ45 with LED connector x 2
On Board VGA	<ul style="list-style-type: none">• Intel[®]865G (GMCH) chipset integrated with Graphics controller• 15 pin CRT connector x1
On Chip I/O (ICH5)	<ul style="list-style-type: none">• On board USB port x 2, USB 2.0 compliant• Ultra ATA100/66/33 support, 40pin connector x2. Two pins power connector for DOM (Disk On Module)• Serial ATA support, SATA connector x 2 ; data transfer bandwidth up to 150MB/s
On Board I/O	<ul style="list-style-type: none">• ITE 8712F-A Super I/O• SIO x 2, with 2x16C550 UARTs, 10 pin header x 2• PIO x 1, bi-directional, EPP/ECP support, 26 pin connector x1• Floppy Disk controller: 34 pin connector x 1• 6 pin mini DIN connector x1, for PS/2 keyboard/mouse, 5 pin connector x 1 (for external keyboard)• On Board buzzer x1• GPIO (4 in 4 out)• On Board 2 pin header for reset SW, 4 pin for speaker, 5 pin for keylock, 2 pin for IDE active LED, 2 pin ATX power SW• AC 7 output, 10 pin header x1
System Monitor	<ul style="list-style-type: none">• Derived from SuperIO ITE 8712F-A to support system monitor.• 8 voltage (For +1.5V, +3.3V, +5V, -5V, +12V, -12V, Vcore and +5VSTBY)• Fan speed connector x2 (one is for CPU, another is for system)• Temperature sensor x2 (one is for internal CPU, another for external system)
Watchdog Timer	<ul style="list-style-type: none">• Watchdog timeout can be programmable by Software from 1,2,4,8,16,32, ..256 seconds
PCI to ISA Bridge & ISAMAX Support	<ul style="list-style-type: none">• ITE 8888F x1 PCI to ISA Bridge
Dimensions	Provide 64mA high driving capability to maximize ISA signals for support ISA cards up to 20 on the backplane ISA Slot 338.58mm(L) x 122mm(W)
Power Requirements	• +5V, +12V, -12V, ATX/AT
Environments	<ul style="list-style-type: none">• Operating temperatures: 0° to 60°• Storage temperatures: -20° to 80°• Relative humidity: 10% to 90% (Non-condensing)
Certification	<ul style="list-style-type: none">• CE approval• FCC Class A

Order Information

PEAK 735VL2G:

Full-size Socket 478 Intel[®]Pentium[®]4 /800MHz FSB SBC w/dual LAN (Intel[®]82547EI Gigabit LAN+ Intel[®]82551QM 10/100 LAN)

PEAK 735VL2:

Full-size Socket 478 Intel[®]Pentium[®]4 / 800MHz FSB SBC w/dual 10/100 LAN (Intel[®]82551QM + Intel[®]82562EX)

PEAK 735VL:

Full-size Socket 478 Intel[®]Pentium[®]4 / 800MHz FSB SBC w/single 10/100 LAN (Intel[®]82551QM)



The Digital Infrastructure

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