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Part Number	PEAK-7220VL2G
Vox Part Number	VTC9290
Make	NEXCOM
Description	Nexcom PEAK7220VL2G CPU Board. Full Size | Socket 604 | PICMG | Intel E7501 Chipset | Dual Xeon | DDR 266 DIMM | VGA | Dual Intel 82545GM | RoHS Compliant
Model	PEAK 7220

General	
Temperature	Operating:0°C to 60°C (0°C to 50°C for 2.8 GHz CPU or above); Storage:-20°C to 80°C
Display	
Chipset	Intel E7501; Intel ICH3-S (82801CA); Intel P64H2 (82870P2); Intel Firmware Hub (FWH)
Display Interface	ATI Rage XL with 8 MB frame buffer memory; 1 x 15-pin CRT connector
I/O	
I/O	4 x on-board USB port; SMBus 2.0 controller; FWH interface/LPC interface/AC' 97 2.0 interface; USB 1.1 compliant; Integrated System Management Controller; ITE 8712F-A super I/O; SIO:2 ports with 2x5 pin header; PIO:1 x 26-pin connector, Bi-direction
System	
BIOS	Award System BIOS; Plug & Play support; Advanced Power Management support; ACPI 2.0 compliant; 8 Mbit flash ROM
Certifications	CE approval; FCC Class A
CPU	Supports Socket 604 Dual Intel Xeon/LV Xeon processors up to 2.8 GHz with 400/533 MHz FSB or LV Xeon up to 2.4 GHz with 400/533 MHz FSB; 2 x On-board intelligent switching type power regulator; Supports streaming SIMD instruction
Dimensions	338.58 mm (L) x 122 mm (W) (13.3" x 4.8")
Ethernet	2 x Intel 82545EM (82545GM for RoHS Model) Gigabit Ethernet controllers; 2 x RJ45 with LED
HyperTransport Technology	1 x ITE 8888 PCI to ISA Bridge; Provides 64 mA high driving capability to maximize ISA signals for support for up to 20 ISA cards on the backplane ISA Slot
Memory	Four 184-pin DIMM sockets for up to 8 GB Registered ECC DDR 200/266 SDRAM; Support twos 64-bit DDR channels
Power Supply	Power source from backplane through PCI/ISA golden finger; Supports both AT or ATX power supplies; +3.3 V is converted from +5 V and not directly from backplane or power supply; +5 Vsb (standby power) available from backplane through 3-pin connector
Relative humidity	10% to 90% (Non-condensing)
RTC	On-chip RTC with battery backup; 1 x External battery
SSD	HDD:2 x 40-pin connector; Ultra DMA 33/66/100 support; IDE active LED:1 x 2-pin header
System Monitor	1 x ITE 8888 PCI to ISA Bridge; Provides 64 mA high driving capability to maximize ISA signals for support for up to 20 ISA cards on the backplane ISA Slot
Watchdog Timer	Programmable Watchdog Timer from 1, 2, 4, 8, 16, 32, up to 256 seconds

Introduction

The Nexcom PEAK 7220VL2G is a full-size SBC featuring socket 604 Dual Intel Xeon LV Xeon processors with 400/533 MHz FSB speed up to 2.8 GHz and Hyper-Threading technology. The PEAK 7220VL2G also supports LV Xeon processors up to 2.4 GHz.

The PEAK 7220VL2G incorporates Intel E7501 and ICH3-S chipsets, which supports registered ECC DDR 200/266 MHz of memory up to 8 GB maximum. The Intel South Bridge ICH3-S manages IDE, parallel, floppy, and other versatile I/O ports such as a serial port, four USB ports, two Gigabit LAN ports, audio interface and more. With Dual Intel Xeon processors and versatile I/O ports, the PEAK 7220VL2G offers the supreme performance for the most demanding industrial applications.

Features:

- 184-pin DIMM x 4, Supports DDR 200/266 SDRAM Memory up to 8 GB
- 2 x Intel 82545GM Gigabit Ethernet
- ATI Rage XL VGA, 8 MB Frame Buffer Memory
- Customized 2U Heatsink/Fan for Dual Xeon processors
- Intel E7501/P64H2 Chipsets
- Socket 604 for Dual Intel Xeon/LV Xeon Processors up to 2.8 GHz with 400/533 MHz FSB

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