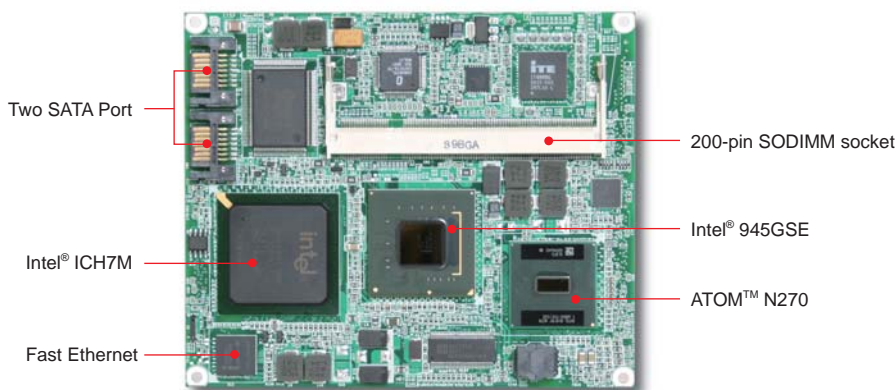


PEM-E200VLA

Intel® ATOM™ based Type ETX module with DDR2 SDRAM, VGA, Fast Ethernet, SATA and USB



FEATURES

- The Intel® ATOM™ N270 and 945GSE platform that provides cost effective solution and technology
- The Intel® platform brings under 10W TDP solution for easy fan-less design
- SATA and IDE interface provide best cost effective functions for market
- Architecture of module and carrier boards speeds up time-to-market of tailor-made equipment
- Support one SODIMM socket and up to 2GB memory size

GENERAL

Processor	CPU & Package: Intel® ATOM™ N270 1.6GHz in FCBGA package FSB: 533 MHz
Chipset/Core Logic	Intel® 945GSE and ICH7M
System Memory	Up to 2GB DDR2 533 SDRAM on one SODIMM socket
BIOS	AWARD BIOS
Storage Devices	EIDE: Support two EIDE channel with Ultra DMA 100/66/33 SATA: Support two SATA 150 drives
Solid State Disk	N/A
Watchdog Timer	Programmable via software from 1 sec. to 255 min
Expansion Interface	- Two IDE channels - Four PCI devices - ISA Bus - Two COM Ports - One Printer Port - PS/2 Keyboard and Mouse - Line Out, Line In and MIC
Hardware Monitoring	CPU Temperature
Power Requirement	TBA
Dimension	Dimension: 114(L) x 95(W) mm
Environment	Operation Temperature: 0~60 °C Storage Temperature: -20~80 °C Operation Humidity: 5~90%

ORDERING GUIDE

Standard	PEM-E200VLA Intel® ATOM™ N270, 945GSE platform based ETX module with DDR2 SDRAM, VGA, Fast Ethernet and USB
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- * Specifications are subject to change without notice.
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I/O

MIO	Two serial ports (TTL Level)
IrDA	Yes
Ethernet	One Fast Ethernet Controller
Audio	One HDA Audio Codec
USB	Four USB ports
Keyboard & Mouse	PS/2 Keyboard and Mouse

DISPLAY

Graphic Controller	Intel® 945GSE integrated Graphics Media Accelerator (Intel® GMA 950)
Graphic Memory	Dynamic share system memory up to 224MB (Intel® DVMT 3.0) or static share system memory up to 128MB
Display Interface	- Support CRT, LVDS and TV-out display interfaces - CRT display resolution up to 2048x1536 @ 85Hz refresh



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