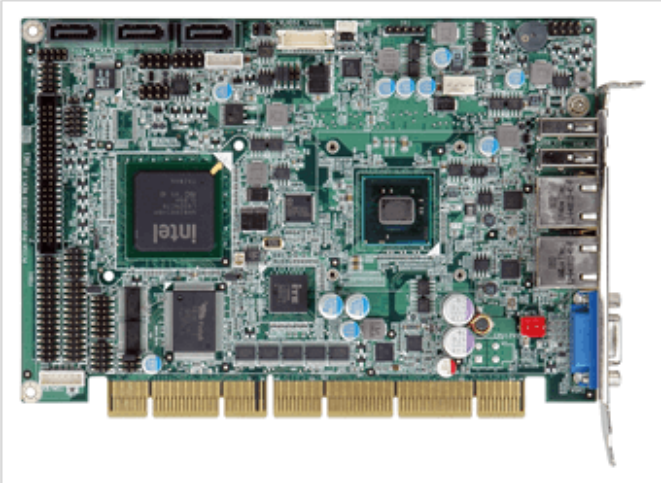
PCISA-PV-D4251/N4551/D5251

Half-size PCISA CPU Card with Intel® Atom™ D425/N455/D525



Features

» PCISA CPU card supports PCI and ISA bus expansion

» Supports Intel® Atom™ D525/D425/N455 processor

» Supports VGA and 18-bit single-channel LVDS with dual display

» Supports 800 MHz DDR3 SDRAM SO-DIMM up to 4 GB for D525/D425 and 2 GB for N455

» Supports four COM, six USB 2.0, three SATA 3Gb/s, IDE and CF Type II

» IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

System	
CPU	(1.80GHz/1MB L2 cache)
	Intel® Atom™ D425 single-core processor
I/O Interface	
Digital I/O	1 x 8-bit digital I/O (2x5 pin)
Storage	
Storage	1 x CF Type II 1 x KB/MS
	1 x FDD
	1 x IDE
	3 x SATA 3Gb/s
Environment	
Operating Temperature	-20°C ~ 60°C
Expansion Slots	
Expansion Slots	4 x PCI bus support
	ISA bus support by ITE IT8888G PCI
	to ISA bridge
Power	
Power consumption	5V@3.25A, 12V@0.48A (Intel® singlecore
	Atom™ D425 1.80GHz with 1GB
	1066MHz DDR3 memory)
I/O Interface	
Display	Analog CRT up to 2048x1536 for D525/D425,
	1400x1050 for N455
	Supports for CRT hot plug
	18-bit single-channel LVDS supports resolution
	up to WXGA 1366x768 or XGA 1024x768
System	
Chipset	Intel® ICH8M
I/O Interface	
I/O Interface	4 x Internal USB 2.0
I/O Interface	
Ethernet	LAN1: Realtek RT8111E with ASF 2.0 support

	LAN2: Realtek RT8111E
I/O Interface	
I/O Interface	1 x LPT
System	
CPU Socket	On Board
Memory Max.	One 204-pin 800MHz DDR3 SDRAM SO-DIMM
	supported (system max. 4GB for D525/D425
	and 2GB for N455)
I/O Interface	
Audio	Realtek ALC888 HD codec
I/O Interface	
I/O Interface	3 x RS-232
	1 x RS-422/485
Watchdog Timer	
Watchdog Timer	Software programmable supports 1~255 sec. system reset
I/O Interface	
I/O Interface	2 x USB 2.0

Ordering Information

PCISA-PV-D4251-R10	Half-size PCISA CPU card with Intel Single Core Atom D425 1.80GHz/512KB L2 cache,VGA/LVDS,Dual PCIe GbE,USB2.0,4 COM,3 SATA II and Audio,RoHS
PCISA-PV-D5251-R10	Half-size PCISA CPU card with Intel Dual Core Atom D525 1.80GHz/1MB L2 cache,VGA/LVDS,Dual PCIe GbE,USB2.0,4 COM,3 SATA II and Audio,RoHS
PCISA-PV-N4551-R10	Half-size PCISA CPU card with Intel Single Core Atom N455 1.66GHz/512KB L2 cache,VGA/LVDS,Dual PCIe GbE,USB2.0,4 COM,3 SATA II and Audio,RoHS