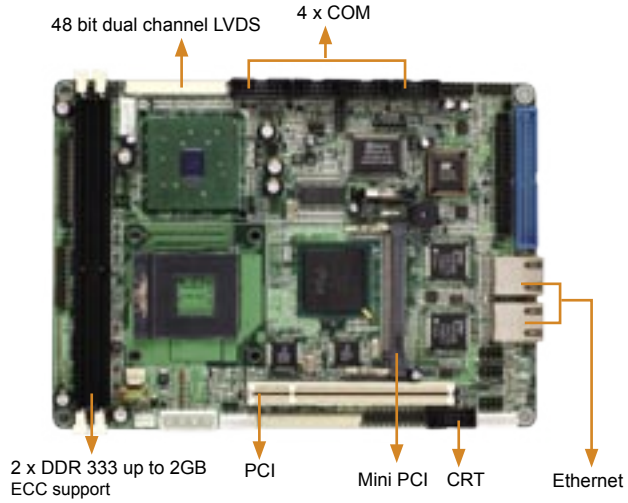
NOVA-7170

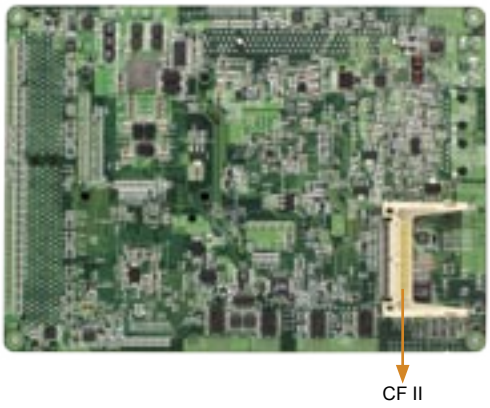
5.25" Intel Pentium M / Celeron M CPU with LCD/ CRT VGA, LAN, GbE, USB2.0, Audio

Mini-PCI provide wireless application



Long Term Supports

Coming Soon



Dual Display

Gigabit Ethernet

USB

Feature

- Intel Pentium M / Celeron M CPU support up to FSB 533 MHz
- CRT/LCD VGA integrated in i852GME, support 48-bit LVDS
- Support independent dual display
- 2x DDR 266/333 support up to 2GB
- Support 1 x PCI and 1 x mini PCI
- CFII, Dual LAN, USB2.0, Multi-COM, Audio integrated

Specifications

CPU	Socket 479 base support Intel Pentium M CPU up to 533MHz FSB (NOVA-7170EG) On board ULV Intel Celeron M 600MHz with 512KB L2 Cache (NOVA-7170E2-600)
System Chipset	Intel 852GME + ICH4
System Memory	2x DDR266/333 SDRAM socket up to 2GB ECC support
Display	- Display controller Intel GMCH Integrated Graphics controller Integrated AGP 4X 2D/3D engine - One VGA port for CRT monitor 16001200@8bpp;1280X1024@16bpp - DF 14-30F support 48 bit dual chennel LVDS TFT LCD - Second 48-bit LVDS Port (Optional) - DVI interface (Optional) - Dual independent displays - Shared system memory up to 32MB (DVMT)
Ethernet	One Intel 82551ER 10/100Mbs and One 82541ER GbE (NOVA-7170EG) Dual Intel 82551ER for 10/100Mbs Ethernet (NOVA-7170E2-600)
SSD	1x Compact Flash™ Type II Socket
I/O	2 x IDE port 1 x FDD port 1 x Parallel port (Supports SPP/EPP/ECP mode) 1 x PS2 Keyboard/Mouse support 3 x RS-232 Serial port 1 x RS-232/422/485 selectable 6 x USB 2.0 port 1 x PS/2 for Keyboard/Mouse 1 x IrDA by pin header (SIR mode)
Audio	AC'97 CODEC
Digital I/O	4 inputs / 4 outputs
WDT	Software programmable support 1 ~ 255 sec system reset
Power Consumption	+5V@3.1A, +12V@2.3A, 5VSB@0.8A (Pentium M 1.8G, DDR 333 256MB)
Expansion slot	1x PCI slot and 1x Mini PCI
Hardware Monitoring	CPU voltage / Temperature / FAN speed monitor
Power control function	Meets ACPI 1.1 specification
Operation Temperature	0 ~ 60 °C
Relative Humidity	5 ~95%, non-condensing

IEI Option

- **CF-518**
  High Performance Pentium-M CPU Cooler

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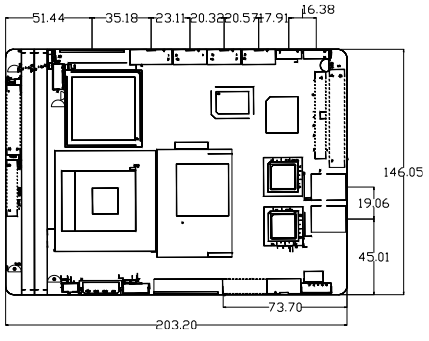
Tech Talk

Mini PCI Introduction

The Mini PCI Specification defines an alternate implementation for small form factor PCI cards referred to in this specification as a Mini PCI Card. This specification establishes a high-performance local-bus standard for small or restricted mechanical environments. The key features and benefits as following
- Upgradeability. Mini PCI Cards are removable and upgradeable with available "new technology" cards.
- Flexibility. A single Mini PCI interface can accommodate various types of communications devices, wireless card, Bluetooth …etc.
- Serviceability. Mini PCI Cards can be removed and easily serviced if they fail.
- Reduced Size. Mini PCI Cards are smaller than PCMCIA cards, Small PCI cards, and typical daughter boards.

Dimensions



Ordering Information

- **NOVA-7170EG-R10**
  5.25" Socket 479 Intel Pentium M 533MHz FSB with LCD/CRT VGA, LAN, GbE, USB2.0, Audio
- **NOVA-7170E2-600-R10**
  5.25" on board ULV Intel Celeron M CPU with LCD/CRT VGA, Dual LAN, USB2.0, Audio

Note: For DVI and second LVDS please contact supplier