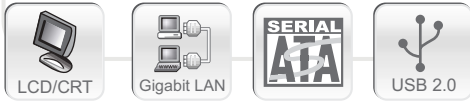
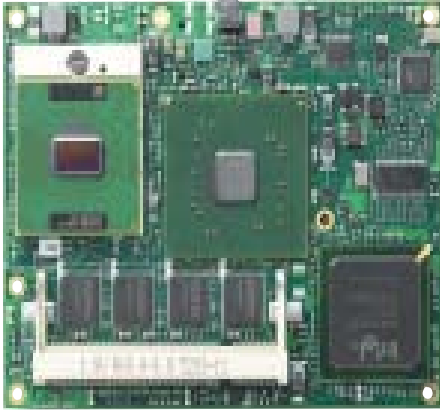


Express-IA533

Intel® Pentium® M Processor COM Express™ Module



Features

- Intel® Pentium® M Processor up to 2.1 GHz
- Intel® 915GME Express chipset
- Dual-Channel DDR2 533 MHz
- Three PCI Express® x1 Lanes and one x16 Graphic Lane
- Onboard Gigabit Ethernet
- Serial ATA, USB 2.0, LVDS, SDVO

Ordering Information

Express-IA533-S/0	Intel® Pentium® M COM Express™ Module with microFCPGA socket for CPU
Express-IA533-C06/0	Intel® Pentium® M COM Express™ Module with Intel® Celeron® M at 600 MHz
Express-IA533-373/0	Ultra Low Power COM Express™ Module with Intel® Celeron® M 373 at 1 GHz
Express-IA533-738/0	Intel® Pentium® M COM Express™ Module with Intel® Pentium® M 738 at 1.4 GHz
Express-IA533-745/0	Intel® Pentium® M COM Express™ Module with Intel® Pentium® M 745 at 1.8 GHz
Express-IA533-760/0	Intel® Pentium® M COM Express™ Module with Intel® Pentium® M 760 at 2.0 GHz

All models optional soldered memory

Specifications

Core

CPU	Intel® Pentium® M or Intel® Celeron® M with 400 or 533 MHz FSB and Enhanced Intel® Speedstep® Technology
Chipset	Intel® 915GME Graphic Memory Controller Hub Intel® I/O Controller Hub 6 Mobile (ICH6-M)
Memory	Channel A: SO-DIMM socket for DDR2 SDRAM, max. 1 GB Channel B: soldered DDR2 memory 512 MB Both channels non-ECC, un-buffered, 400/533 MHz DDR2
L2 Cache	Banias type processors: 512 KB (Celeron® M), 1 MB (Pentium® M) Dothan type processors: 1 MB (Celeron® M), 2 MB (Pentium® M)
BIOS CMOS	Phoenix® Award BIOS in 4 Mb FWH with console redirection and EEPROM backup
Hardware Monitor	Supply Voltages and CPU temperature
Watchdog Timer	Software programmable 1-255 sec/min, generates system reset
Expansion Busses	Four PCI Express® x1 lanes (one claimed by onboard GbE) Five 32-bit PCI™ 2.3 Masters at 33/66 MHz, Low Pin Count (LPC) interface for Super I/O on carrier SMBus 2.0 interface support

Multi I/O

USB	Supports up to eight USB 2.0 ports
SATA	Two integrated Serial ATA 150 ports
IDE (PATA)	One Ultra ATA 100/66/33 IDE port

Audio

Type	High Definition Audio ("Azalia") interface
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Video

Chipset	Intel® 915GME GMCH integrated chipset supports dual independent displays
CRT Interface	Analog CRT support up to 2048 x1536 resolution.
LVDS Interface	Dual-channel LVDS interface
Expansion busses	One x16 PCI Express® Graphics port Two Serial DVO ports (multiplexed with PCI Express® x16)

Ethernet

Chipset	Yukon®-EC 88E8053 PCI Express® Gigabit Ethernet Controller
Type	Triple speed 10/100/1000BASE-T IEEE 802.3 compliant

Mechanical and Environmental

Formfactor	PICMG® COM Express™ 1.0, Basic Formfactor compliant
Dimensions	95 x 125 mm
Operating Temp.	0° to 60°C
Storage Temp.	-20° to +80°C
Power Consumption	18 watts with Intel® Pentium® M 738 1.4 GHz and 512 MB DDR2 memory

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