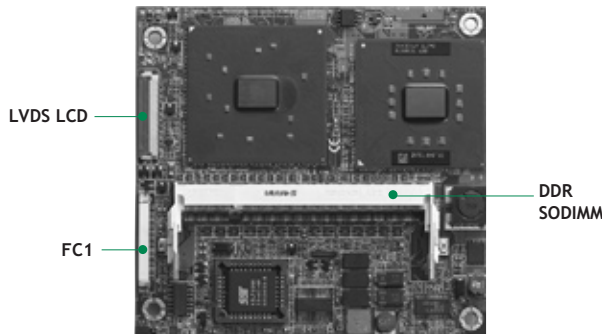


AX12204

Intel® Pentium® M PC/104 CPU Module with Intel® 852GM+ICH4 Chipset, DualView, LAN and PC/104-Plus Expansion

2
Single Board Computers

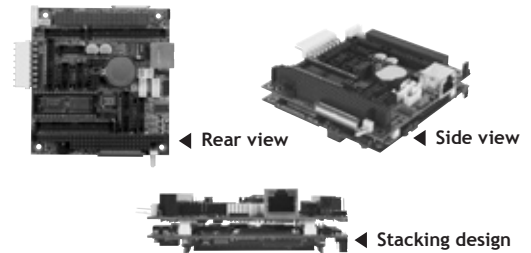


LVDS/VGA
RS-232/422/485
ISA
PC/104-Plus
DiskOnChip®

Features



- LV/ULV Intel® Pentium® M/Celeron® M processor with FSB 400 MHz
- Intel® 852GM+ICH4 chipset
- DualView with different content & resolution
- PC/104-Plus slot for 16-bit ISA, 32-bit PCI expansion



Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	AX12204VEA Qty
59484500010E	44-44-40 pin IDE cable L=200mm+200mm	1
59408000090E	FFC 26P cable, L=290mm	1
59408660010E	FFC 41P cable, L=60mm	1
59384500000E	COM+printer cable w/ bracket, P=2.0, L=250mm	1
59384500100E	Audio cable w/ bracket, P=2.0, L=450mm	1
59381560000E	DIN 6P to 6P PS/2 K/B+M/S	1
59397300200E	K/B & M/S cable, 2 x 5, P=2.0, L=300mm	1
59382620000E	COM port cable w/ bracket, P=2.0, L=300mm	1
59397300000E	VGA cable, L=180mm	1

Ordering Information

Standard	
AX12204VEA-1GE (P/N: E112204102)	PC/104 CPU module with Intel® Celeron® M 1 GHz/ZC CPU, VGA/TTL/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM
AX12204VEA-600	PC/104 CPU module with Intel® Celeron® M 600 MHz/512KB CPU, VGA/TTL/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM
Optional	
AX12204VEA-1.4G (P/N: E112204101)	PC/104 CPU module with Intel® Pentium® M (738) 1.4 GHz/2MB CPU, VGA/TTL/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM
AX12204VEA-1G (P/N: E112204100)	PC/104 CPU module with Intel® Celeron® M (373) 1 GHz/512KB CPU, VGA/TTL/LVDS LCD, 10/100Mbps, AC'97 audio and 2 COM

System

CPU	400MHz FSB LV Intel® Pentium® M 738 1.4 GHz and ULV Celeron® M 600/512kB, 1GHz/ZC & 373 1GHz/512KB processor with FSB 400MHz
System Memory	1 x 200-pin DDR-333/400 SODIMM max. up to 1GB
Chipset	Intel® 852GM+ICH4
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
SSD	1 x DiskOnChip®
Watchdog Timer	64 levels, 0.5~1600 sec.
Expansion Interface	1 x PCI-104 for 32-bit PCI expansion 1 x PC/104 for 16-bit ISA
Battery	Lithium 3V/196 mAh
Size	96 x 90 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard/mouse 1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x LPT; with SPP/EPP/ECP supported 1 x IrDA
SATA	N/A
Hardware Monitoring	Support CPU/system temperature, CPU/system voltage, and CPU/system Fan features
Ethernet	1 port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/Speaker-out with VIA VT1612A
USB	2 x USB 2.0; via wafer connector for wiring solution
SMBus	N/A
Digital I/O	8 channel IN and 8 channel OUT

Display

Chipset	Integrated in Intel® 852GM GMCH
Memory Size	Max. up to 64MB frame buffer sharing system memory
Resolution	* VGA: up to 1920 x 1440 * LVDS LCD: 18-bit single/dual channel up to 1400 x 1050
Output Interface	* VGA with 16-pin box header * TTL LCD via 44-pin 2.0 pitch box-header for maximum 24-bit output * LVDS LCD with 30-pin connector for maximum 18-bit output

* W.T.: Wide Temperature

* All specifications and photos are subject to change without notice.