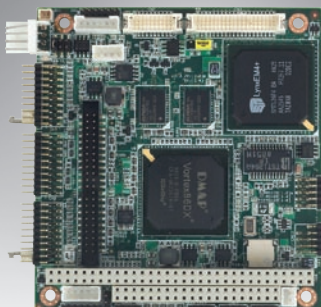


PCM-3343

**DM&P Vortex86DX-1GHz PC/104 SBC,
LCD, LAN, CFC, On board memory**

NEW



Features

- Ultra low power, fanless DM&P Vortex86DX- 1 GHz and 256 MB on-board DDR2 memory
- CRT+LCD dual video outputs, 24-bit LVDS/TTL support
- Integrate Floating-point Unit
- Support 2 LAN ports in standard PC/104 96 x 90 mm dimension
- Supports Embedded Software APIs and Utilities

Software APIs:



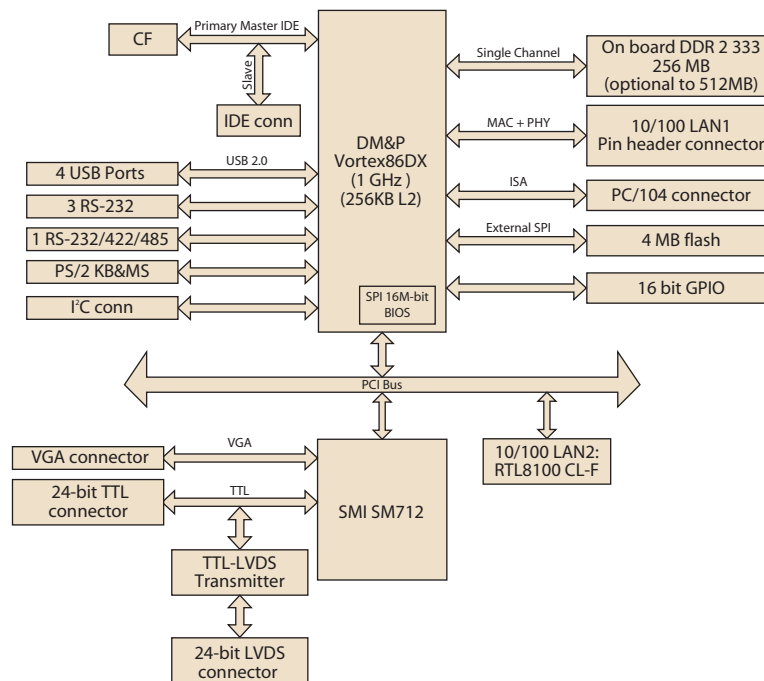
Utilities:



Specifications

Processor System	CPU	DM&P Vortex86DX 1.0 GHz, support Floating point unit (FPU)
	Frequency	1.0 GHz
	L2 Cache	256 KB
	System Chipset	DM&P Vortex86DX- 1 GHz
	BIOS	Award integrated 16 Mbit ROM in SOC
Memory	Technology	DDR2 333 MHz SDRAM on board
	Max. Capacity	512 MB
	On board memory	On board 256 MB (512 MB support by request)
Display	Chipset	SMI SM712
	VRAM	4 MB internal memory
	Graphic Engine	62.5 MHz single clock/cycle engine (EM+)
		86 MHz single clock/cycle engine (EM4+)
		Designed to accelerate DirectDraw
	LVDS	Supports up to 1024 x 768 @ 24-bit LVDS LCD Panel
	CRT	Supports up to 1024 x 768 @ 85 Hz
Ethernet	TTL LCD	Supports up to 1024 x 768 @ 24 bit TFT LCD Panel
	Dual Display	CRT+TTL, CRT+LVDS
	Speed	10/100 Mbps
	Controller	LAN1: FE LAN on Vortex86DX SOC LAN2: FE LAN RTL8100C-LF
Watchdog Timer	Connector	Pin header
		System reset Software programmable from 30.5µ sec. to 512 sec. x 2 sets
Storage	CompactFlash	Compact Flash socket(Type I/II),shared with primary IDE
	IDE	1
	SPI Flash	Optional onboard 4 MB SPI Flash Disk (Support by request for boot device or storage on DOS OS)
Internal I/O	USB	4 x USB 2.0
	Serial	3 RS-232, 1 RS-232/422/485
	IDE	1
	KB/Mouse	1
	GPIO	16-bit general purpose input/output
	I ² C	1
Expansion	PC/104 slot	1
Power	Power Type	AT
	Power Supply Voltage	5V only to boot up (12 V is optional for LCD inverter and add on card)
	Power Consumption (Typical: Idle in WinXPe)	0.74 @ 5 V (Vortex86DX 1 GHz, DDR2 667 256 MB)
	Power Consumption (Max, test in passmark burn-in program)	0.85 A @5 V (Vortex86DX 1 GHz, DDR2 667 256 MB)
	Battery	3 V/210 mAH
Environment	Operation	0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH non-condensing)
	Non-Operation	-40° C ~ 85° C and 60° C @ 95% RH non-condensing
Physical Characteristics	Dimensions (L x W)	96 x 90 mm (3.8" x 3.5")
	Weight	0.097 kg (0.214lb)

Board Diagram



Ordering Information

Model	CPU	L2 Cache	Memory	CRT	LVDS	TTL	LAN	USB 2.0	RS-232	RS-232 /422/485	IDE	KB/MS	External SPI flash	Thermal solution	Expansion	Operation Temp
PCM-3343L-256A1E	DM&P Vortex86DX 1 GHz	256 KB	Onboard 256M	-	-	-	1 FE	2	1	1	1	Yes	-	Passive	PC/104	0 ~ 60° C
PCM-3343F-256A1E	DM&P Vortex86DX 1 GHz	256 KB	Onboard 256M	Yes	Yes	1	2 FE	4	3	1	1	Yes	-	Passive	PC/104	0 ~ 60° C
PCM-3343Z-256A1E	DM&P Vortex86DX 800 MHz	256 KB	Onboard 256M	Yes	Yes	1	2 FE	4	3	1	1	Yes	-	Passive	PC/104	-20 ~ 80° C
PCM-3343Z2-256A1E	DM&P Vortex86DX 800 MHz	256 KB	Onboard 256M	Yes	Yes	1	2 FE	4	3	1	1	Yes	-	Passive	PC/104	-40 ~ 85° C

Packing List

Part No.	Description	Quantity
	PCM-3343 SBC	
	Startup Manual	
	Utility CD	
1700060202	CABLE 6P-6P-6P PS/2 KB & MOUSE 20 cm	x1
1703060053	PS2 Cable 6P (MINI-DIN)-6P (Wafer 2.0 mm) 6 cm	x1
1703100260	USB cable 2 port 2.0 mm pitch w/ bracket 26 cm	x1
1701200220	RS-232 x 2 ports 2.0mm pitch 22 cm	x1
1703040157	RS-422/485 W/D-SUB COM 4P 15 cm	x1
1700000898	VGA cable D-SUB 15P(F)/12P-1.25 mm 15 cm	x1
1700017863	LAN cable RJ45/2 x 5P-2.0 15 cm	x1
9660104000	PC/104 screw and copper post package	x1

Embedded OS

Part No.	Description
WinCE 6.0	2070009536: CE 6.0 Pro PCM-3343 V1.3 ENG
Win XPE	2070009528: XPE WES2009 Vortex86DX V4.0 ENG 2070009529: XPE WES2009 Vortex86DX V4.0 MUI24
SUSI	205E343000: SUSI 3.0 SW API for PCM-3343 B:20091209 XP

Optional Accessories

Part No.	Description
1701440350	IDE cable 44P/44P/44P 35 cm