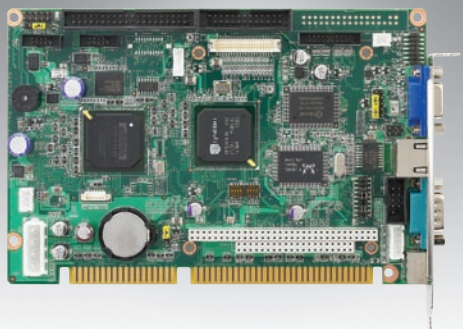


PCA-6742

ISA half-sized SBC, Advantech EVA-X4300, VGA/LCD/LAN/CFC/USB and PC104

NEW



Features

- Low power Fanless EVA-X4300
- Onboard 128/64 DDR2 RAM
- 10/100 Base-T Ethernet
- 1024 x 768 @ 18/24 bit TTL/LVDS support

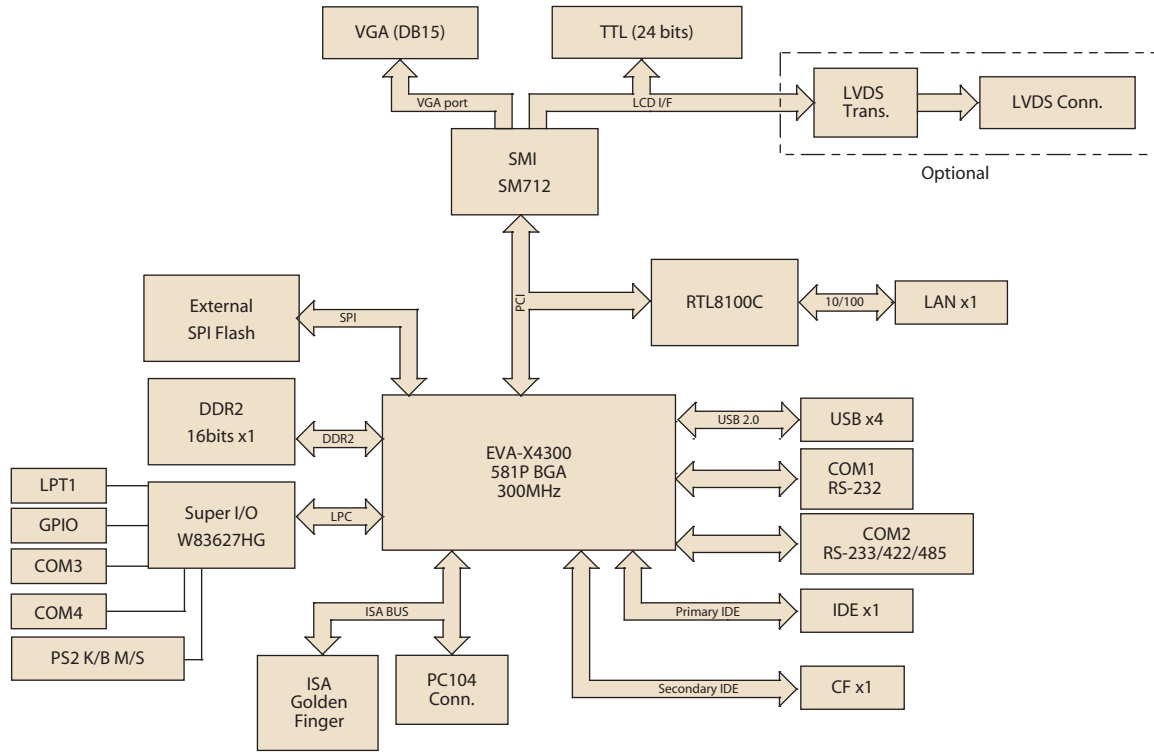


CE FCC

Specifications

Processor System	CPU	Advantech EVA-X4300 up to 300 MHz	
	Max. Speed	300 MHz	
	L1 Cache	32 KB	
	Chipset	Advantech EVA-X4300 up to 300 MHz	
	BIOS	Award integrated 256 KB ROM in Advantech EVA-X4300	
Bus	ISA	8/16-bit 8 MHz	
Memory	Technology	Default on board DDR2 64 MB	
	Max. Capacity	128 MB (Optional)	
	Socket	No	
Graphic	Controller	Chipset integrated VGA controller VGA mode: SM712 graphic chip supports 1024 x 768 @ 24bit true color LCD mode: SMI SM712 2D graphic chip supports 1024 x 768 @ 18/24 bit TFT	
	VRAM	4MB display memory	
	LVDS	Yes (Optional)	
	TTL	Up to 24bit TTL for TFT LCD	
	Dual Display	Support CRT+LCD simultaneously display	
Ethernet	Interface	10/100Base-T	
	Controller	Realtek RTL8100CL	
	Connector	RJ-45 x 1	
EIDE	Mode	UDMA 100	
	Channel	1	
SATA (150 MB/s)	port	N/A	
I/O Interface	USB	4 (USB 2.0 port and USB1.1 under DOS)	
	Serial	4 COM (1 x RS-232/422/485 on one 2.54 mm pitch wafer box, 1 x RS-232 on rear I/O, 2 x RS-232 on one 2.0 mm pitch wafer box)	
	Parallel	1 (via super I/O)	
	FDD	N/A	
	GPIO	8 bit; COMS Level (0 ~ 3.3 V)	
	PS/2	6-pin DIN socket on bracket for PS/2 keyboard and mouse. (via super I/O) 6-pin (2.54 mm) wafer box connector for keyboard only	
Watchdog Timer	Output	System reset / IRQ11	
	Interval	255 level timer interval	
Miscellaneous	Audio Output	N/A	
	Solid State Disk	Compact Flash socket (Type I/II), shared with secondary IDE	
Power Requirement	Typical	+5 V @ 1.6 A	
	Max	+5 V @ 2 A	
Environment	Temperature	Operating	Non-Operating
		0 ~ 60° C	- 20° C ~ 60° C
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	
		OS	DOS, WinCE 5.0

Board Diagram



Ordering Information

P/N	CPU	LVDS	TTL	USB	GPIO	FE LAN	FDD
PCA-6742LV-00A1E	EVA-X4300	-	-	4	-	-	-
PCA-6742VE-00A1E	EVA-X4300	(Optional)	24 bits	4	1	RTL 8100C	-

Bracket View



PCA-6742LV-00A1E



PCA-6742VE-00A1E

Cable

Part Number	Description	Quantity
1701260305	COM2 + LPT cable	X 1
1700060202	Y Cable for PS/2 Keyboard, PS/2 Mouse	X 1
1701400452	EIDE (HDD) cable	X 1
9689000002	Jumper pack	X 1
1700008887	USB cable with 4 ports (2.0 mm pitch)	X 1
-	Utility CD	X 1
-	Startup manual	X 1

Accessories

Part Number	Description
1703100260	USB cable with 2 ports (2.0 mm pitch)
1700008762	Dual-COM port cable kit for COM 3-4