



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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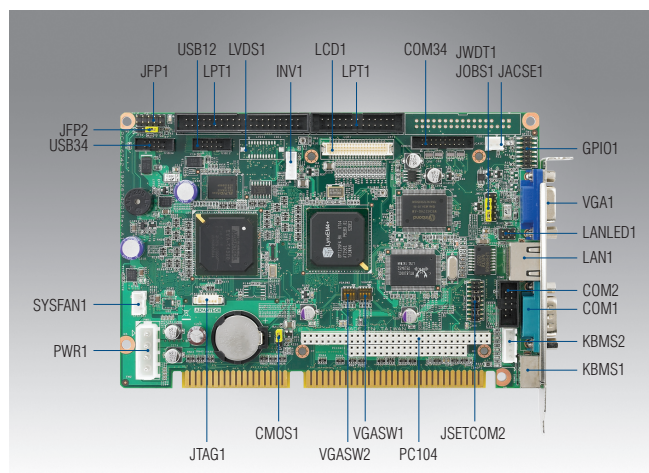
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PCA-6742

Advantech EVA-X4300 ISA Half-size SBC with
VGA/LCD/LAN/CFC/USB and PC/104



Features

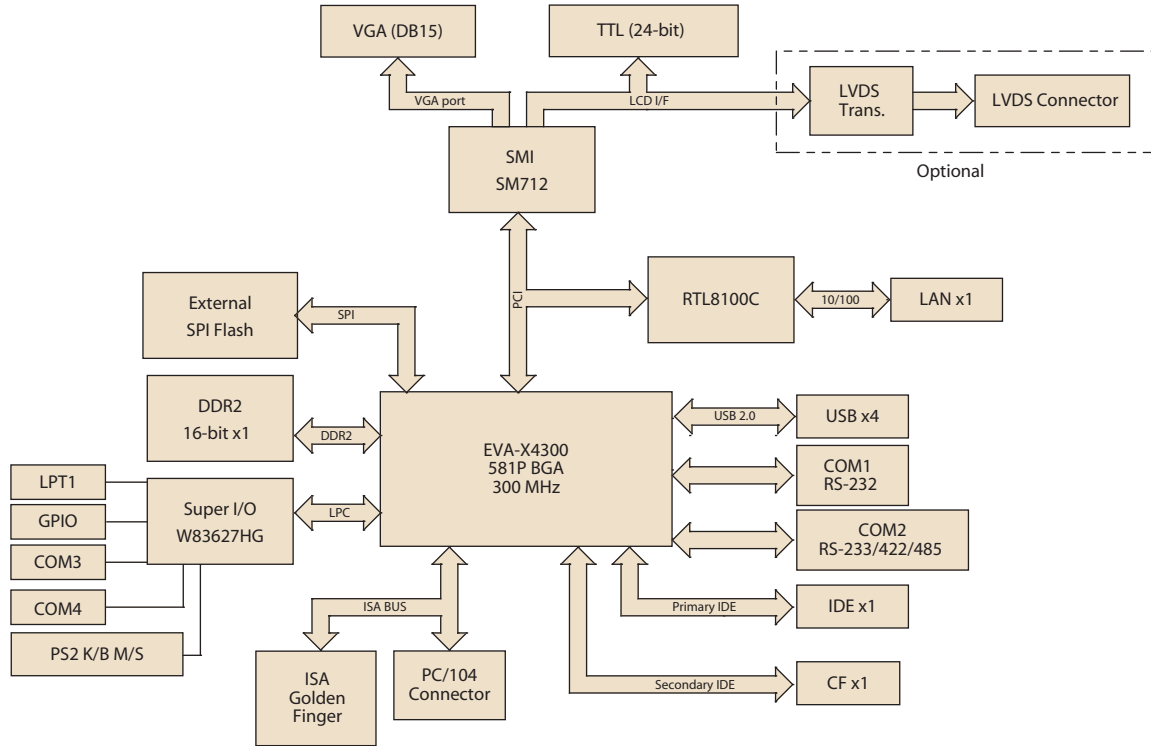
- Low power fanless EVA-X4300
- Onboard 128/64 DDR2 RAM
- 10/100 Mbps Ethernet
- 1024 x 768 @ 18/24-bit TTL/LVDS support



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	PCI	32-bit/33 MHz	
	ISA	8/16-bit 8 MHz	
Memory	Technology	Default onboard DDR2 128 MB	
	Socket	-	
Graphics	Controller	Chipset integrated VGA controller VGA mode: SM712 graphics chip supports 1024 x 768 @ 24-bit true color LCD mode: SMI SM712 2D graphics chip supports 1024 x 768 @ 18/24-bit TFT	
	VRAM	4 MB display memory	
	LVDS	Yes (Optional)	
	TTL	Up to 24-bit TTL for TFT LCD	
	Dual Display	Supports CRT+LCD simultaneously display	
Ethernet	Interface	10/100 Mbps	
	Controller	Realtek RTL8100CL	
	Connector	RJ-45 x 1	
EIDE	Mode	PIO 4	
	Channel	1	
SATA (150 MB/s)	Port	-	
I/O Interface	USB	4 ports (USB 2.0 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	-	
	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	Programmable, 1~255 sec/min	
Miscellaneous	Audio Output	-	
	Solid State Disk	CompactFlash 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 (Storage)
		0 ~ 60° C (32 ~ 140° F) (operating humidity: 40° C @ 85% RH Non-Condensing)	
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	
OS		DOS, Win CE 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-bit	4	1	RTL 8100C	-

Bracket View



PCA-6742LV-00A1E



PCA-6742VE-00A1E

Optional Accessories

Part Number	Description
1703100260	USB cable with 2 ports (2.0 mm pitch)
1700008762	Dual-COM port cable kit for COM 3-4
PCA-SATAP2-00A1E	IDE/SATA Adapter for CPU cards

Packing List

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