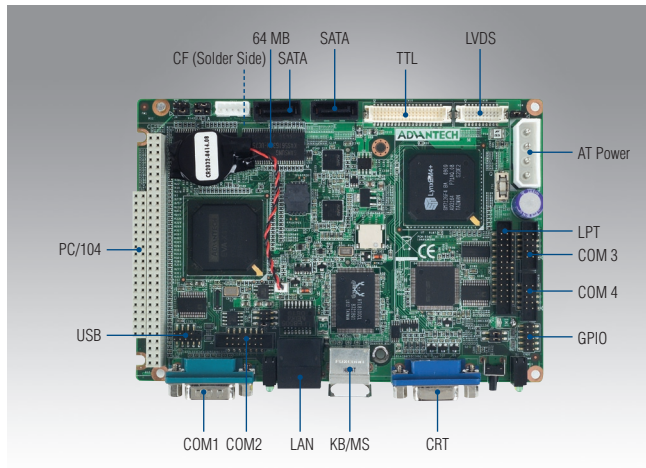


PCM-9342

**EVA-X4150 SoC 3.5" SBC with VGA,
LCD, LAN, USB, SATA, CF, PC/104**



Features

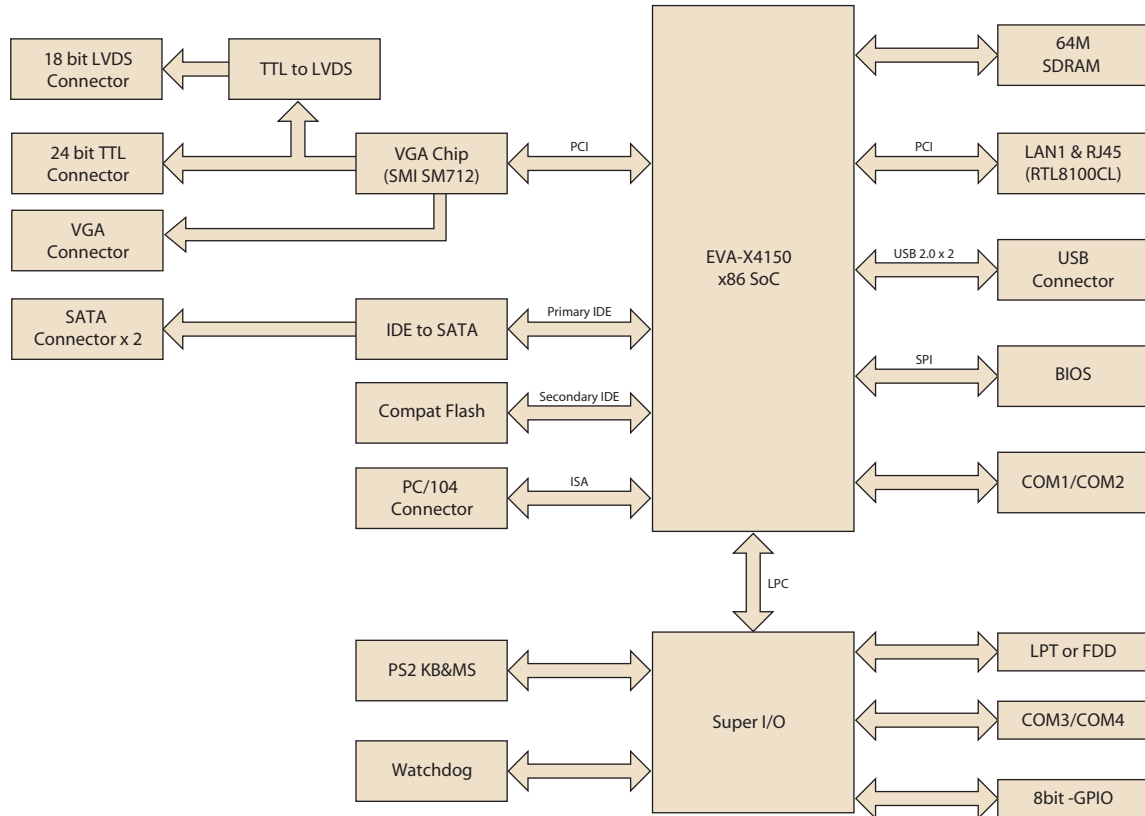
- Low Power EVA-X4150 SoC
- On board 64MB SDRAM
- Support 24bit & 18bit LVDS TFT LCD
- Support Up to 4 COM Ports
- Support 2 USB 2.0 Ports
- Support Serial ATA Interface
- Total less then 6W Power Consumption



Specifications

Processor System	CPU	Advantech EVA-X4150 SoC
	Front Side Bus	133 MHz
	Chipset	Advantech EVA-X4150 SoC
	BIOS	Award 4 Mbit
Memory	Technology	SDRAM
	Max. Capacity	64 MB
	Socket	On board 64 MB
SSD	CompactFlash	Card Type I/II
Rear I/O	VGA	1
	COM	1
	RJ-45	1
	K/B, Mouse	1
I/O Interface	LPT	1 (share with FDD)
	FDD	1 (share with LPT)
	RS-232	3 (2 internal, 1 external)
	RS-232/422/485	1
	K/B	1
	Mouse	1
	USB	2 x USB 2.0
SATA	GPIO	8-bit general purpose input/output
	Max. Data Transfer Rate	100 MB/s (Transfer from IDE)
Expansion Slot	Channel	2
	PC/104	1
Ethernet	Speed	10/100Mbps
	Controller	Realtek RTL 8100CL
	Interface	1 x RJ-45
Display	Controller	SMI 712
	VRAM	On board 4MB
	TTL LCD	1 x 24-bit TTL (Alternative with LVDS)
	LVDS LCD	1 x 18-bit LVDS (Alternative with TTL)
	Display	CRT or LVDS or TTL
Environment	Operation Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
Power	Power Type	AT
	Power Supply Voltage	5 V +/- 5%, 12 V +/- 5% (optional)
	Power Consumption	1.18 A @ 5 V (PCM-9342F-64A1E)
	Power Management	N/A
	Battery	3 V / 210 mAH
Watchdog Timer	Output	System reset
	Interval	Programmable 1 ~ 255 sec
Physical Characteristics	Dimensions (L x W)	146 x 102 mm (5.7" x 4")
	Weight	0.85 kg (1.87 lb)

Board Diagram



Ordering Information

Model	CPU	SDRAM DIMM	CRT	LVDS	TTL	LAN	Audio	USB 2.0	RS-232	RS-232/422/485	LPT	FDD	Expansion	Thermal	Operation Temp
PCM-9342F-64A1E	EVA-X4150	Onboard 64M	1	1	1	1 10/100	N/A	2	3	1	1 (Share FDD)	1 (Share LPT)	PC/104	Passive	0-60° C
PCM-9342L-64A1E	EVA-X4150	Onboard 64M	N/A	N/A	N/A	1 10/100	N/A	2	3	1	1 (Share FDD)	1 (Share LPT)	PC/104	Passive	0-60° C

Packing List

Part No.	Description	Quantity
	PCM-9342 SBC	1
	Startup Manual	1
	Utility CD	1
9689000002	MINI JUMPER*10 PCS PACKAGE(BLACK)	1
1700060202	CABLE 6P-6P-6P PS/2 KB & MOUSE 20cm	1
1700100250	Cable D-SUB 9P TO 10P 2.0mm ASS'Y COM Port 25cm	2
1700260250	Cable 25cm 25P to 26P ASS'Y LPT Port 2.0mm	1
1701140201	FLAT 14PIN 2.0mm Secondary Port 9PIN(M)20cm	1
1703100121	Wire 10P 12cm IDC 2.0mm For USB 2 PORT MBPC USE	1
1700008894	SATA Cable	1