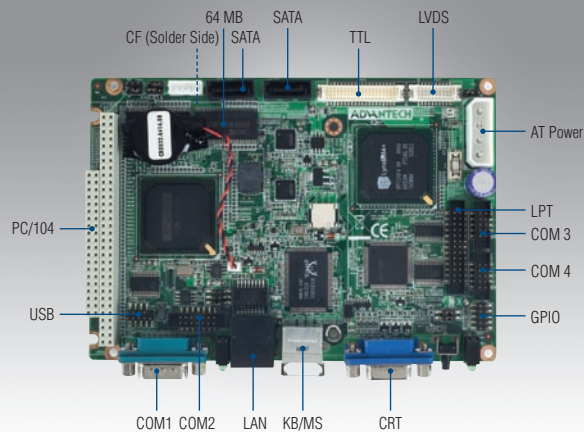


# PCM-9342

**X86 SoC 3.5" SBC with VGA, LCD, LAN, USB, SATA, CF, PC/104**



## Features

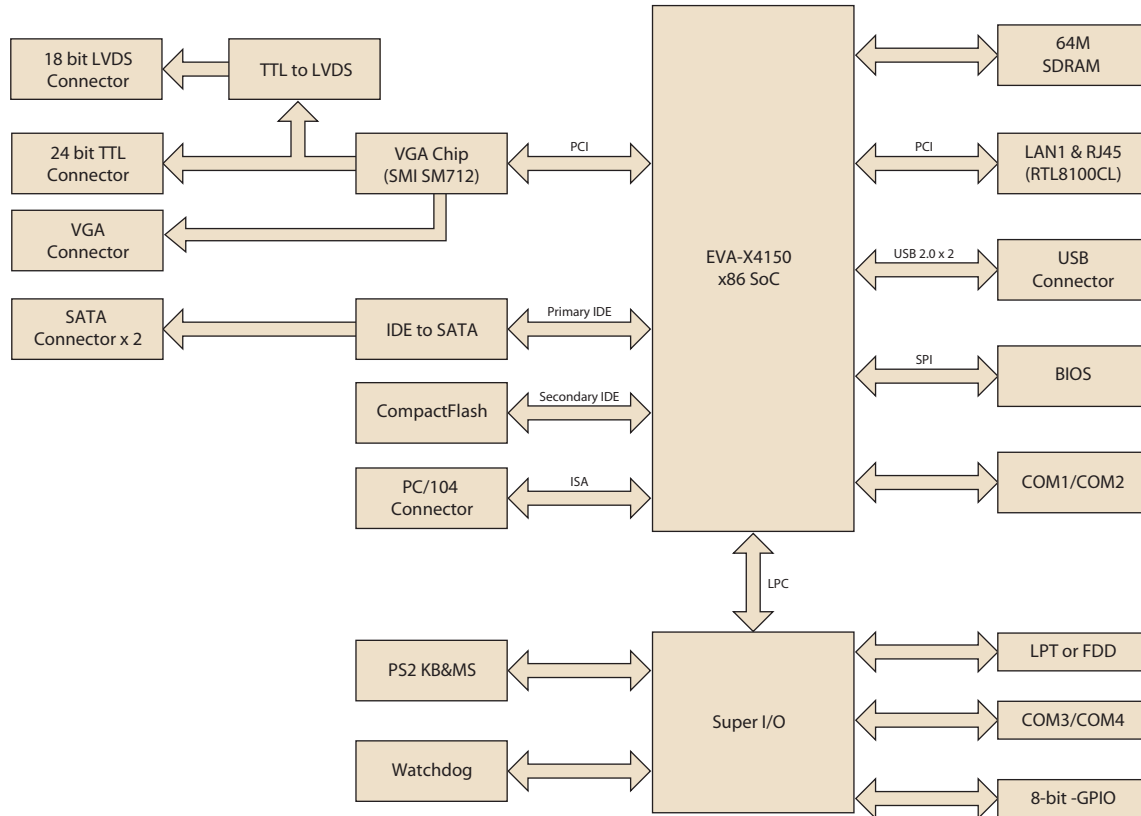
- Low power EVA-X4150 SoC
- On board 64 MB SDRAM
- Supports 18-bit TFT LCD
- Supports up to 4 COM ports
- Supports 2 USB 2.0 ports
- Supports Serial ATA Interface
- Total less than 6 W power consumption



## Specifications

Processor System	CPU	Advantech X86 SoC
	Front Side Bus	133 MHz
	Chipset	Advantech EVAX4-150 SoC
	BIOS	Award 8 Mbit
Memory	Technology	SDRAM
	Max. Capacity	64 MB
	Socket	Onboard 64MB (32M optional)
SSD	CompactFlash	Card Type I
Coastline I/O	VGA	1
	COM	1
	RJ-45	1
	K/B, Mouse	1
Internal I/O	LPT	1 (share with FDD)
	FDD	1 (share with LPT)
	RS-232	2
	RS-232/422/485	1
	K/B	-
	Mouse	-
	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	10/100 Mbps
	Controller	Realtek RTL 8100CL
	Interface	1 x RJ-45
Display	Controller	SMI SM712
	VRAM	On board 4MB
	TTL LCD	1 x 24-bit TTL (Alternative with LVDS)
	LVDS LCD	1 x 18-bit LVDS (Alternative with TTL)
	Dual Simultaneous Display	CRT + LVDS or CRT + TTL
Environment	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
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 (DOS)	1.18 A @ 5 V (PCM-9342F-64A1E)
	Power Management	-
Watchdog Timer	Battery	3 V / 210 mAH
	Output	System reset
Physical Characteristics	Interval	Programmable 1 ~ 255 sec
	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	Operating Temp
PCM-9342F-64A1E	EVA-X4150	Onboard 64M	1	1	1	1 FE	-	2	3	1	1 (Share FDD)	1 (Share LPT)	PC/104	-	0 ~ 60° C
PCM-9342L-64A1E	EVA-X4150	Onboard 64M	-	-	-	1 FE	-	2	3	1	1 (Share FDD)	1 (Share LPT)	PC/104	-	0 ~ 60° C
PCM-9342FZ2-64A1E	EVA-X4150	Onboard 64M	1	1	1	1 FE	-	2	3	1	1 (Share FDD)	1 (Share LPT)	PC/104	-	-40 ~ 85° C
PCM-9342LZ2-64A1E	EVA-X4150	Onboard 64M	-	-	-	1 FE	-	2	3	1	1 (Share FDD)	1 (Share LPT)	PC/104	-	-40 ~ 85° C

## Packing List

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

## Optional Item

Part No.	Description
1700001531	LPT to FDD cable