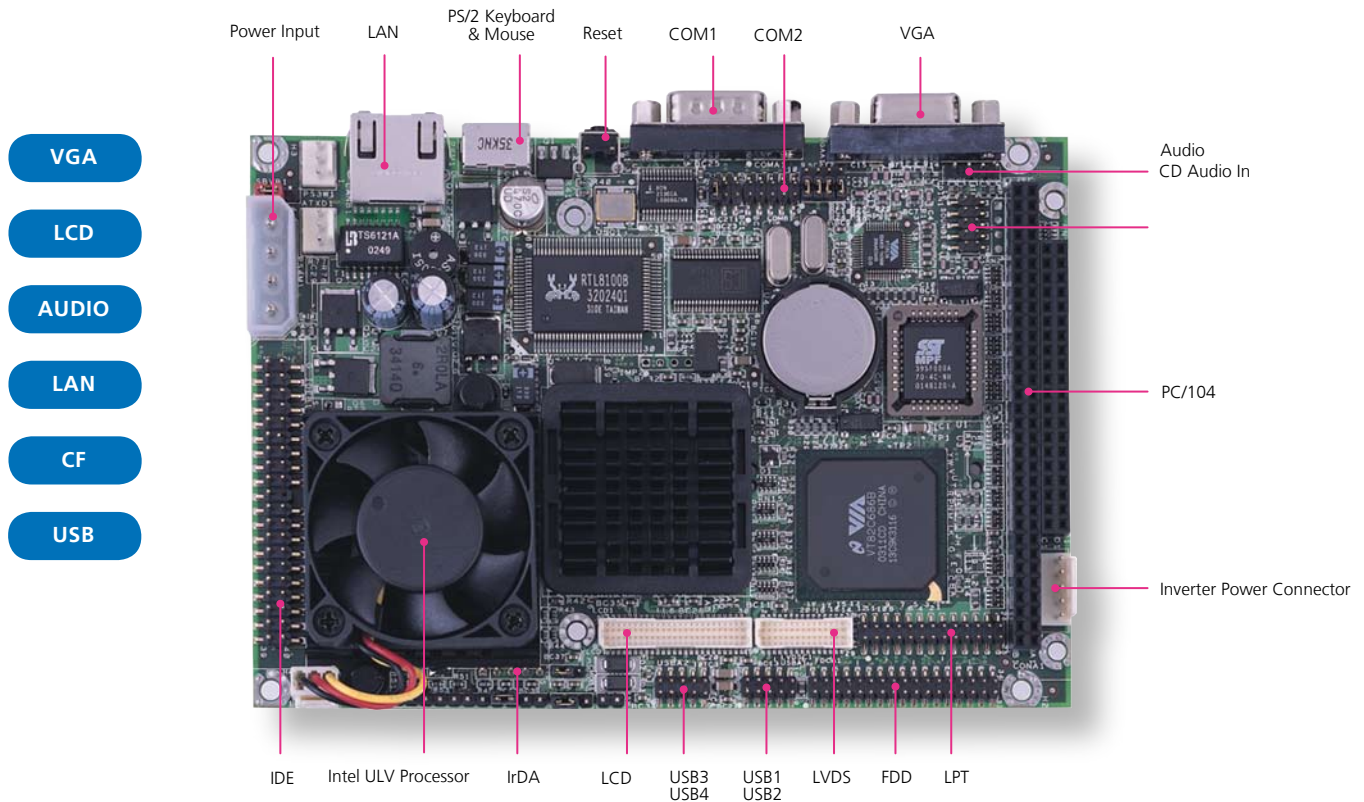


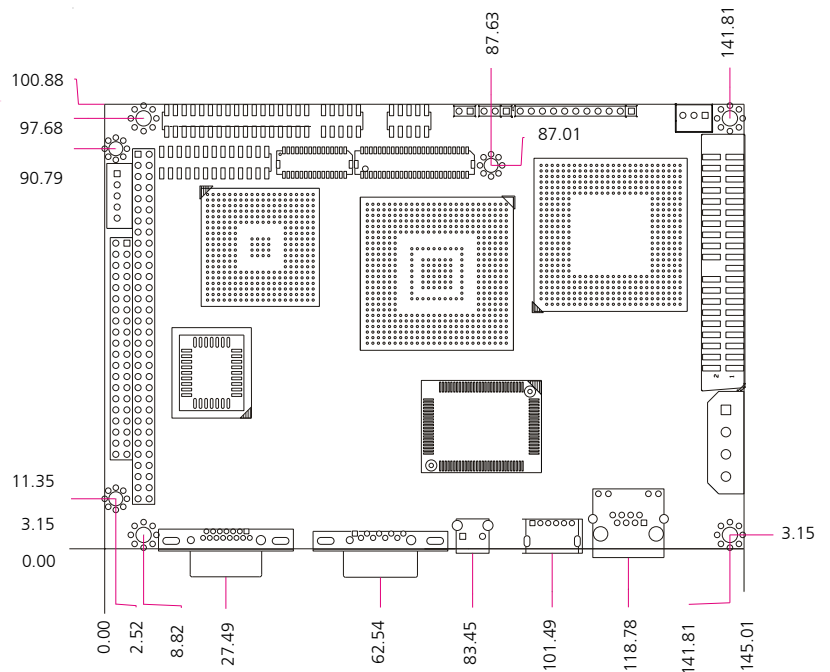
# EM-354

3.5" Intel® ULV Celeron® EBC with VGA/ LCD/ Audio/ LAN/ CF/ USB



## FEATURES

- Intel ULV Celeron 400MHz Fan-less or 650MHz CPU onboard
- VIA chipset integrated with AGP 4 x graphics
- Supports 36-bit TFT/DSTN/STN LCD & 2 channels 2 x 18-bit LVDS
- 10/100M Base-T Ethernet & AC'97 Audio
- Type I / II CompactFlash socket
- 2 COMs / 1 Parallel / 4 USBs / 1 IrDA



FEATURE	DESCRIPTION	
<b>Platform</b>	Form Factor	3.5" EBC
	Processor	Onboard Intel ULV Celeron 400MHz Fanless or 650MHz
	Chipset	VIA VT6806 / 82C686B
	BIOS	Award Flash BIOS
	Cache Memory	Processor Built-in
<b>System Memory</b>	Technology	SDRAM
	Max Capacity	512MB
	Socket	SO-DIMM x1
<b>Storage Interface</b>	IDE Interface	IDE x1
	SSD (CF Socket)	CompactFlash / I/I x1
<b>Networking</b>	Speed	10/100 Mbps
	I/O	RJ45 x 1
	Controller	RealTek RTL8100B
<b>Display</b>	Controller	VIA VT8606 integrated S3 ProSavage
	Shared memory	Supoport 8/16/32 MB frame buffer
	Output	VGA and LCD for 36-bit TFT / 24-bit DSTN / 2-channel 18-bit LVDS output
<b>Audio</b>	Codec	AC'97 Codec
	I/O	Mic-in, Line-in, Line-out, Speaker-out
<b>I/O Interface</b>	Floppy Drive Interface	FDD header x 1
	Serial Port	RS-232 x1, RS-232/422/485 x1
	Parallel Port	1
	Universal Serial Bus	4 (v1.1)
	Bus interface	PC/104, ISA, PCI
	IR Interface	115k bps, IrDA 1.1 compliant
	Keyboard	PS/2
	Mouse	Shared with keyboard connector
	Hardware Monitoring	Controller
	RTC	VIA VT82C686B Integrated RTC within Li-Battery
	Watchdog timer	16-level time-out intervals
<b>Cooling</b>	Heatsink & Fan	
<b>Expansion</b>	PC/104 x1	
<b>Environmental Parameters</b>	Temperature, ambient operating	0~60°C (32~140°F)
	Humidity (RH), ambient operating	5~95% relative humidity, non-condensing
	Storage Temperature	-20~70°C (-4~158°F)
<b>Physical Dimensions</b>	Dimensions	145 x 102 mm (5.7" x 4.0")
	Input	DC +5V
<b>Power</b>	Form Factor	AT/ATX Support
	Consumption	Typical: 2.24A @ +5V 256MB/PC 133, 400MHz CPU 2.62A @ +5V 256MB/PC 133, 650MHz CPU
	Compliance	CE, FCC, RoHS

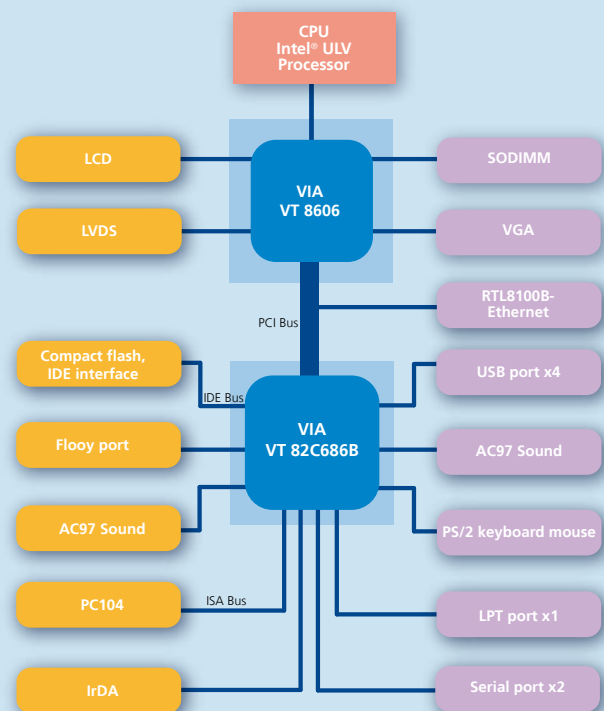
## ORDERING INFORMATION

<b>EM-354A</b>	SBC with Intel ULV 400MHz CPU, Fan-less
<b>EM-354B</b>	SBC with Intel LV 650MHz CPU

## OPTIONAL ACCESSORIES

ITEM	DESCRIPTION	PART NUMBER
<b>EM-US-01</b>	Daughter board (4xUSBs and 3xRCA jack)	S01EMUS010210
<b>Audio cable</b>	24cm 8P	080MEZ0Z00114
<b>USB cable(2pc)</b>	28cm & 31cm 8P	080MEZ1Z00136
<b>Printer cable</b>	18cm 25P	080MEZ2Z00067
<b>COM port cable</b>	19cm 9P	080MEZ2Z00066
<b>ATX power cable</b>	Power Connector 4T & 3P Wafer	0800800200001

## PLATFORM ARCHITECTURE



### About Lanner

Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline security, storage and applied computing platforms and solutions. With headquarters in Taipei, Taiwan and branches in the U.S., India, and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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