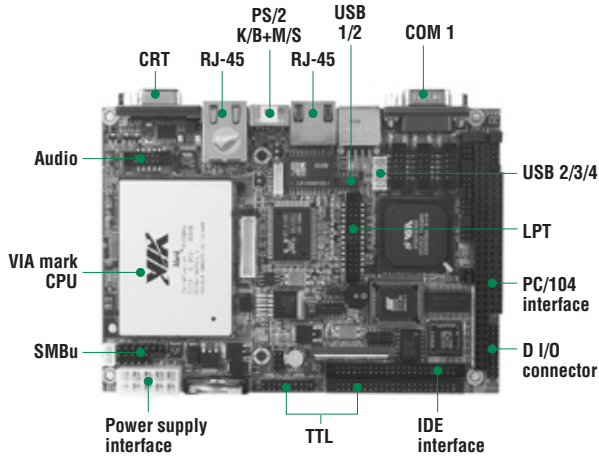


SBC84602

VIA Mark 3.5" Embedded SBC with Dual Display, STN/DSTN TFT LCD and Dual LAN



System

CPU	VIA Mark CoreFusion™ processor 800/533 MHz onboard with 100/133 MHz FSB
System Memory	1 x 144-pin SODIMM for SDRAM max. up to 512MB
Chipset	VIA Mark+VT82C686B
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
SSD	CompactFlash™ type-II with DMA mode
Watchdog Timer	NMI (non-maskable interrupt) and reset with 64 levels @ 0.5 ~ 1600 seconds
Expansion Interface	PC/104 interface
Battery	Lithium 3V/196 mAh
Size	146 x 102 mm
Temperature	0~60 C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PATA-100 IDE, FDD, 1 x PS/2 K/B, 1 x PS/2 MS, 4 x COM (3 x RS-232, 1 x RS-232/422/485), 1 x LPT
Ethernet	RTL8100C for Fast Ethernet controllers; optional RTL8110S for Gigabit Ethernet
Audio	AC'97 codec audio
USB	4 USB 1.1a ports

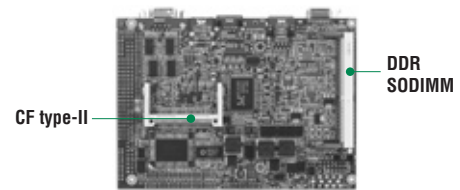
Display

Chipset	Integrated in Mark
Memory Size	Max. up to 32MB frame buffer sharing system memory
Resolution	* Single Display Mode: CRT: 1600 x 1200 LVDS LCD: 1280 x 1024 STN/DSTN LCD: 1600 x 1200 (36-bit) * Dual Display Mode: CRT: 1600 x 1200 LVDS LCD: 1280 x 1024 STN/DSTN LCD: 1600 x 1200 (36-bit)
Output Interface	* D-sub 15-pin CRT from DAC port * LVDS LCD with 1x40-pin connector * TTL LCD interface via "44-pin 2.0 pitch" + "20-pin 2.0 pitch" Pin-header for STN/DSTN TFT panel

Features



- ▶ Low Power VIA Mark BGA type 800/533 MHz CPU onboard
- ▶ VIA Mark+VT82C686B chipset
- ▶ STN/DSTN TFT LCD supported
- ▶ Dual display support for LVDS/CRT/TTL
- ▶ 4 COM ports supported
- ▶ Single +5V or +12V only supported



Rear view



Side view

Packing List

Standard			
Quick installation guide, manual, driver, CPU cooler, utility CD			
Cable			
Part Number	Description	SBC84602	SBC84602
		VEEA-800-RC	VEEA-533-RC
		Qty	Qty
59384500000E	COM + printer cable w/ bracket P=2.0, L=250mm	1	1
59384500100E	Audio cable w/ bracket P=2.0 L=450mm	1	1
59384500200E	COM x 2 w/ bracket, P=2.0, L=250mm	1	1
59484500010E	44-44-40 pin IDE cable L=200mm+200mm	1	1
59402010000E	ATX power cable 10P L=150mm	1	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180mm	1	1

Ordering Information

Standard	
SBC84602VEEA-533	3.5" SBC with VIA Mark 533 MHz CPU, CRT/LVDS/STN/DSTN, Dual Fast Ethernet (8100C), AC'97 audio and 4 COM ports
SBC84602VEEA-800	3.5" SBC with VIA Mark 800 MHz CPU, CRT/LVDS/STN/DSTN, Dual Fast Ethernet (8100C), AC'97 audio and 4 COM ports