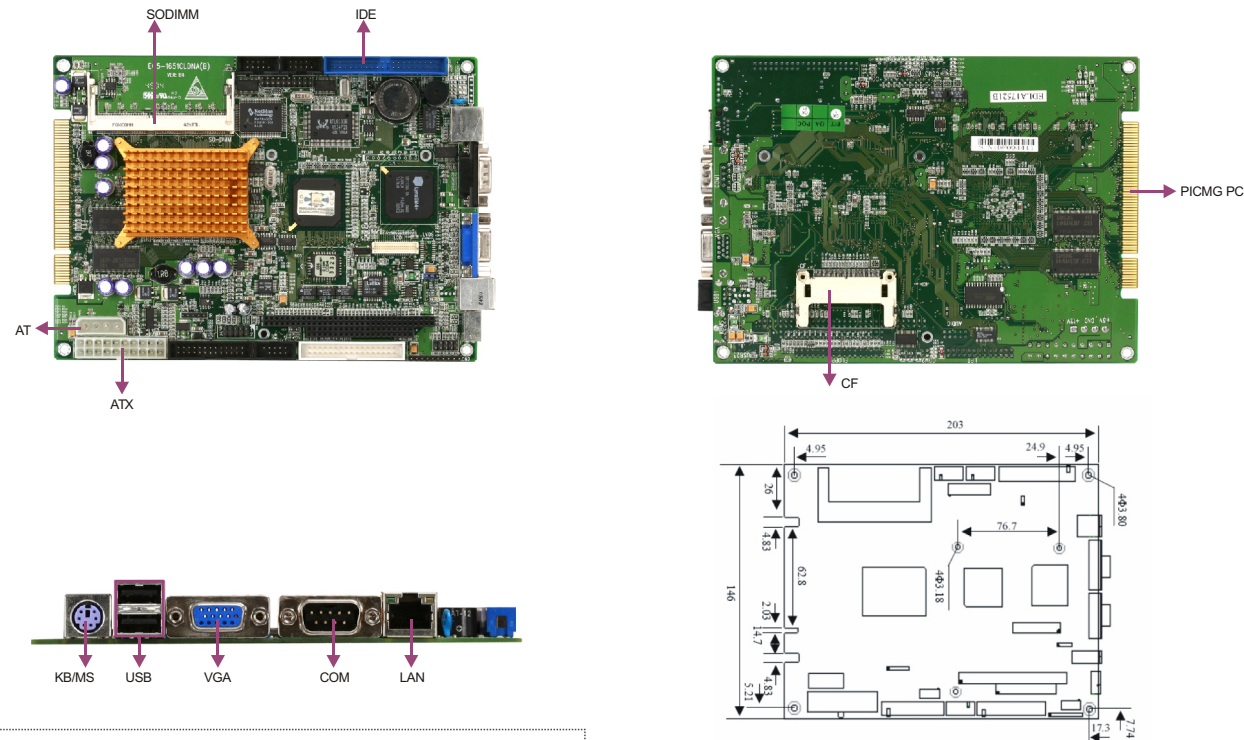


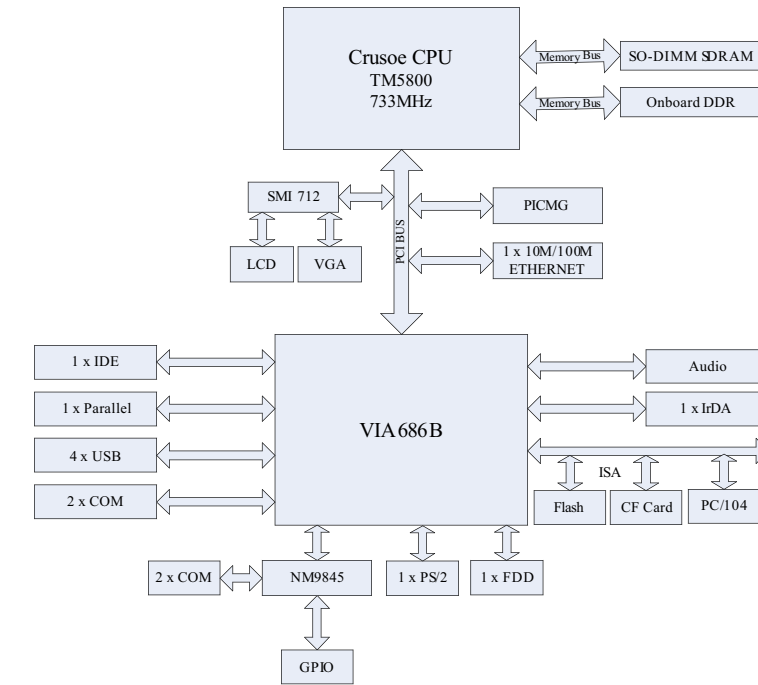
EC5-1651CLDNA(B)

5.25" SBC with 733MHz CPU/Memory/VGA/LCD/SSD/LAN/Audio/4COM



Board Diagram

EC5-1651CLDNA (B) FUNCTION BLOCK DIAGRAM



1

Full-Size/Half-Size Slot CPU Cards

2

SBC/Motherboard/Modules

3

Embedded Box PC

4

Network Application Computers

5

Industrial PC

6

HMI

7

EVOG Rugged Series

8

MCC Series

9

Chassis

10

Data Acquisition Boards & Modules

11

Accessories

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Full-Size/Half-Size Slot CPU Cards

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SBC/Motherboard/Modules

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Accessories

Available Accessories

Part Number	Name	Description	Qty.
2192-001501	Driver CD/pressed film/RoHS	EC5-1651CLDNA(B)/VER: B1	1
2330-000041	Jumper/RoHS	2.54mm pitch, blue	6
2331-002251	Pin header/RoHS	2x20-pin, 2.54mm pitch, two sides of same length: 6+6mm	1
2331-002261	Pin header/RoHS	2x32-pin, 2.54mm pitch, two sides of same length: 6+6mm	1
2331-002421	Socket/RoHS	PC104 2x32-pin long socket, plastic part height: 8.5mm, pin height: 5.65mm	1
2331-002561	Socket/RoHS	PC104 2x20-pin long socket, plastic part height: 8.5mm, pin height: 5.65mm	1
2360-000841	Audio cable/RoHS	Three audio jacks to one 10-pin (2x5), length: 220mm/RoHS	1
2360-002571	Dual USB ports with bracket/B4/RoHS	Two USB ports to one 10-pin (2x5), length: 210mm/RoHS	1
2360-005031	Y-cable for keyboard and mouse/RoHS	One minDIN port to two PS/2 ports, length: 250mm/RoHS	1
2360-008331	HDD flat cable/RoHS	DMA66/HDD/CABLE/40P/80-line/length: 450mm	1
2360-009031	FDD flat cable/RoHS	34P/Floppy disk/Data/Cable/200/350	1
2360-009941	Parallel and serial port cable with bracket/RoHS	DB25 connector to 26-pin (2x13), DB9P connector to 10-pin (2x5)/RoHS	1
2360-010051	Two serial ports with bracket/RoHS	Two DB9 connectors to two 10-pin (2x5) connectors (2.0mm pitch)/RoHS	1
2391-002141	Nut/RoHS	M3/GB-T6170-1986/nickel plating	4
2391-004631	Copper hex bolts/RoHS	M3x25-4/CH-M3-25-4-Ni	4
2413-007311	User's Manual/Chinese/RoHS	EC5-1651CLDNA(B)/VER: B4	1

Ordering Information

Part Number	Description
EC5-1651CLDNA(B)	5.25" SBC with 733MHz CPU/Memory/VGA/LCD/SSD/LAN/Audio/4COM

Features

- Onboard integrated Transmeta Crusoe TM5800 low-power processor
- Onboard 128M DDR memory (optional 256M), one expandable 144-pin SODIMM SDRAM slot
- Supports one 10/100Mbps Ethernet controller
- Supports VGA and LCD dual display
- One PC/104 expansion connector, one standard PICMG PCI expansion bus
- Four serial ports, four USB2.0 ports, one IrDA interface, one parallel port

Specifications

System	
Processor	Onboard Crusoe TM5800 733MHz low-power processor,
Chipset	TM5800+VT82C686B
Memory	Onboard 128M DDR memory (optional 256M), one expandable 144-pin SODIMM SDRAM slot, up to 512MB
Watchdog Timer	Programmable 1~31 seconds time interval, system reset/interrupt
Expansion Interface	One PC/104 expansion connector, ISA bus. Plus a standard PICMG PCI expansion bus
Storage	
IDE	One 40-pin ATA100 IDE interface, supporting 2 x IDE device
FDD	1 x FDD port
CF	1 x CompactFlash socket, satisfying more expansion requirements
I/O Interface	
USB	4 x USB (2 rear panel ports, 1 onboard USB header providing two extra ports)
Serial Port	4 x RS-232
Keyboard/Mouse	1 x PS/2
Parallel	1 x high speed parallel port, supporting SPP/EPP/ECP mode
IrDA	1 x IrDA interface, supporting IrDA SIR and Sharp ASKIR protocol
GPIO	8-channel digital input and 8-channel digital output
Audio	AC'97, ALC101, providing high quality audio

Display	
Chipset	Onboard SMI 712 graphics display chip
Memory	4MB video memory integrated in chip
Display	Supports 3D graphics accelerator, VGA and LCD dual display
Ethernet	
Chipset	1 x Realtek 8100B Ethernet controller
Speed	10/100Mbps
Connector	1 x RJ45 LAN connector
Mechanical and Environmental	
Dimensions	203mm x 146mm
Operating Temperature	-25°C~75°C
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	20-pin ATX power socket and 4-pin AT power interface, BIOS can automatically identify power supply
Power Consumption	Typical 9.26W
Operating System	
Windows OS	Windows 98SE/Windows 2000/Windows XP
Embedded OS	Linux/XP Embedded/WinCE