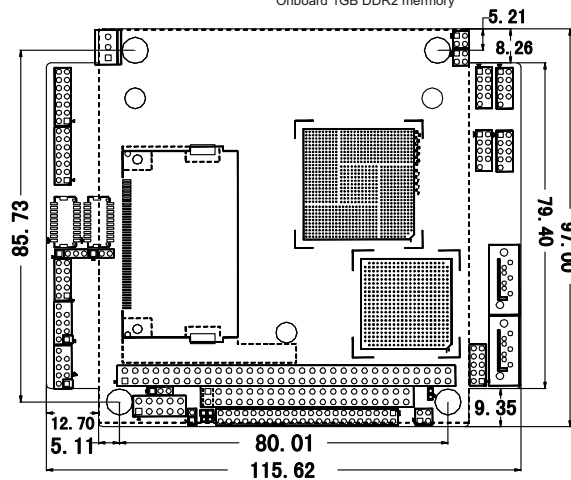
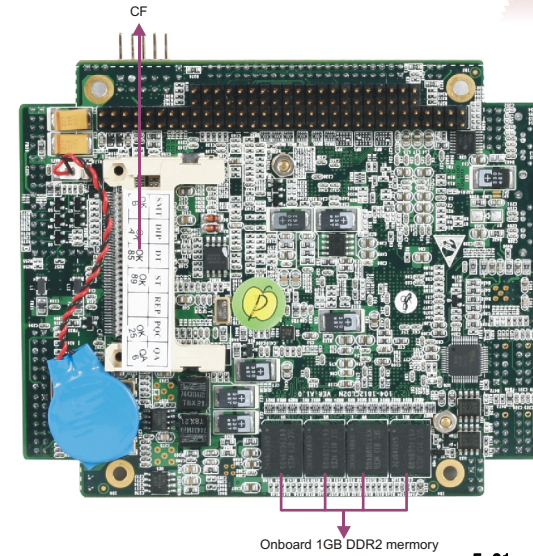
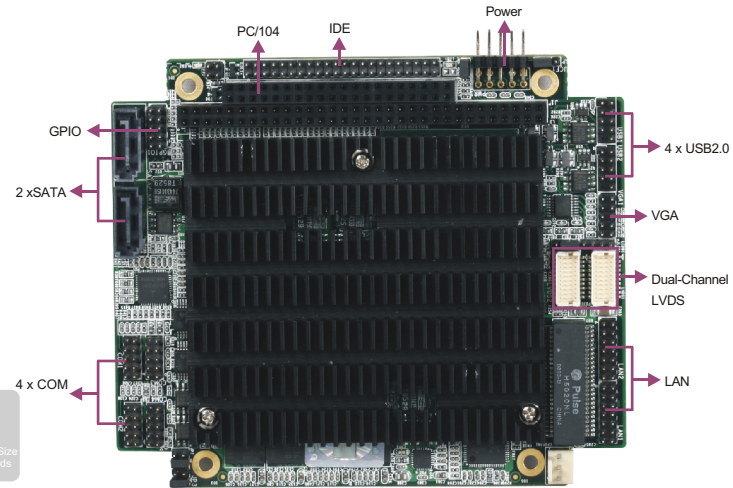


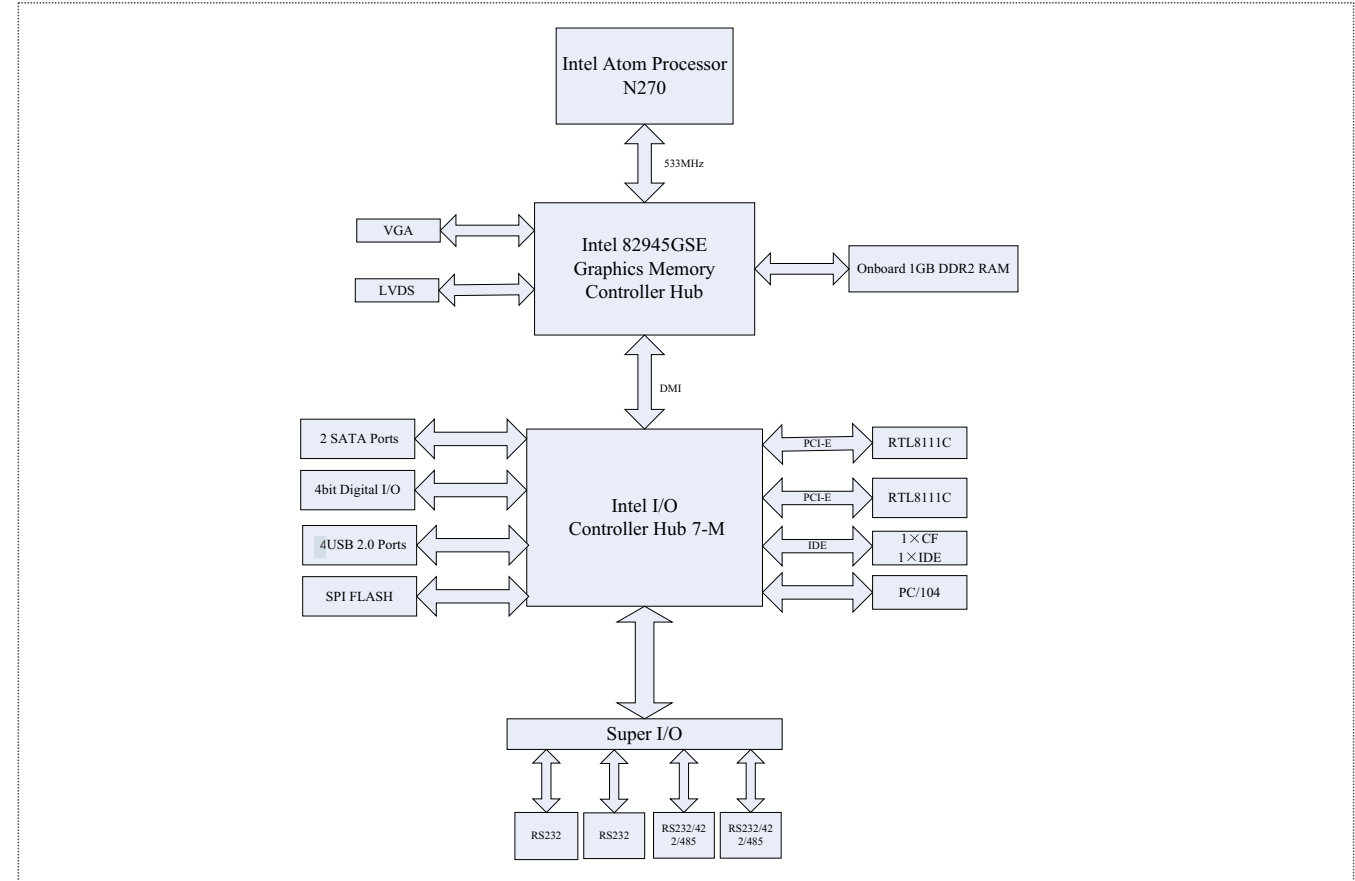
104-1812CLD2N



P4 Series SBC with CPU/Memory and VGA/LVDS/2LAN



Board Diagram



Available Accessories

Part Number	Name	Description	Qty.
2360-024341	LAN cable/RoHS	RJ45 connector to 2x7 Pin (2.0mm pitch)/UL20276/28AWG/14-line, length: 300mm	2
2360-024351	Multi-functional converter cable/RoHS	Buzzer reset button connector to 2x2 Pin 2.0mm pitch female connector/UL2464/28AWG/length: 250mm	1
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 10 Pin (2x5) connector (2.0mm pitch), length: 550mm/RoHS	2
2360-012651	DC Power supply cable/RoHS	2x5 Pin connector to one male power 4 Pin (5.08mm pitch), length: 250mm/RoHS	1
2360-008781	HDD flat cable/RoHS	40 Pin to 44 Pin (2.0mm pitch), length: 550mm/RoHS	1
2360-011231	Serial port cable/RoHS	DB9 connector to 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	4
2360-012641	VGA cable/RoHS	VGA connector to 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	1
2330-000011	Jumper/RoHS	Pitch: 2.0mm, black, sealed tail	5
2360-017961	SATAHDD cable/RoHS	SATA7 Pin to SATA7 Pin with elbow connector, length: 550mm/RoHS	2
---	Setup Guide/RoHS	AMI/BIOS Setup Guide (for Core/8)	1
---	Driver CD/Protective film/RoHS	104-1812CLD2N	1
---	User Manual/Chinese and English/RoHS	104-1812CLD2N	1

Ordering Information

Part Number	Model Number	Description
0030-011220	104-1812CLD2N	Motherboard
0030-011221	104-1812CLD2N	Motherboard/RoHS



Features

- Onboard ATOM N270 1.6G/533MHZ/512K/FCBGA8-437 CPU
- Onboard 1GB/533 DDR2 memory
- 2 x 10/100/1000Mbps Ethernet controller
- Dual-channel 18bit LVDS display and VGA+LVDS dual-channel display
- AT Power, +5V Single power supply

Specifications

System	
Processor	Onboard ATOM N270 1.6G/533MHZ/512K/FCBGA8-437 CPU
Chipset	Intel QG82945GSE+NH82801GBM(ICH7)
Memory	Onboard 1GB DDR2 memory
Hardware Monitor	N/A
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	PC/104 Bus
Storage	
IDE	One 44-pin IDE interface
Serial ATA	2 x SATA interface
Floppy	N/A
CF	1 x Type I CF card interface
DOC/DOM	N/A
I/O Interface	
USB	4 x USB2.0 port
Serial Port	2 x Rs232, 2 x RS422/485
Parallel Port	N/A
IrDA	N/A
GPIO	4-channel digital input and 4-channel digital output
Audio	N/A
Keyboard/Mouse	N/A

Display	
Chipset	Intel® 945GSE integrated graphics controller
Memory	N/A
Resolution	LVDS up to 1600 x 1200@65Hz, CRT up to 2048 x 1536@60Hz
Dual Display	Dual-channel 18bit LVDS display and VGA+LVDS dual-channel display
Ethernet	
Chipset	RTL8111C
Speed	Two 10/100/1000Mbps Ethernet controllers
Connector	2 x RJ45
Mechanical and Environmental	
Dimensions	116mm x 97mm
Operating Temperature	-40°C~80°C
Storage Temperature	-45°C~85°C
Operating Humidity	5%-90%, non-condensing
Power	
Power Supply	AT power, +5V single power supply
Power consumption	Typical 5V x 2.24A(ATOM N270,1GB memory)

- 1 Full-Size/Half-Size Slot CPU Cards
- 2 SBC/Motherboard/Modules
- 3 Embedded Box PC
- 4 Network Application Computers
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- 8 MCC Series
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