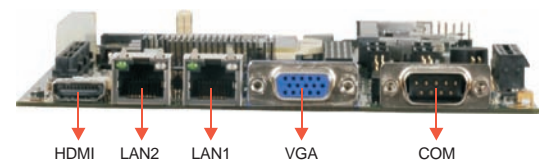
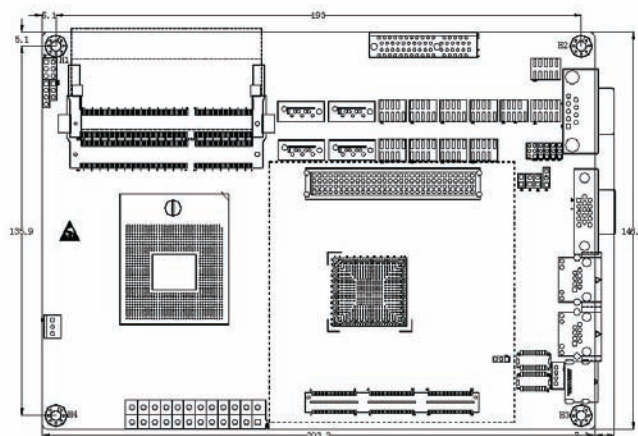
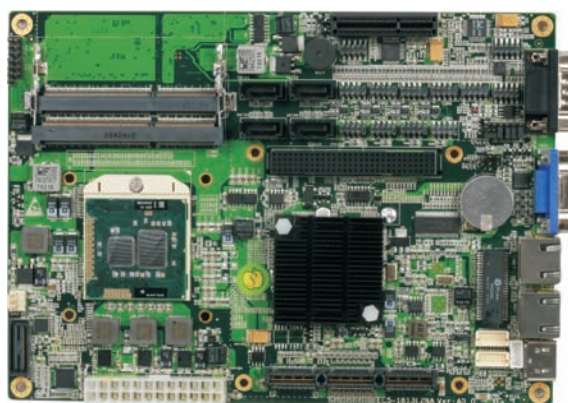


EC5-1813L2NAR

5.25" SBC with I7/I5/I3 series CPU and VGA/LVDS/HDMI/2LAN/Audio/Raid

UNITRONIX Pty Ltd

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Features

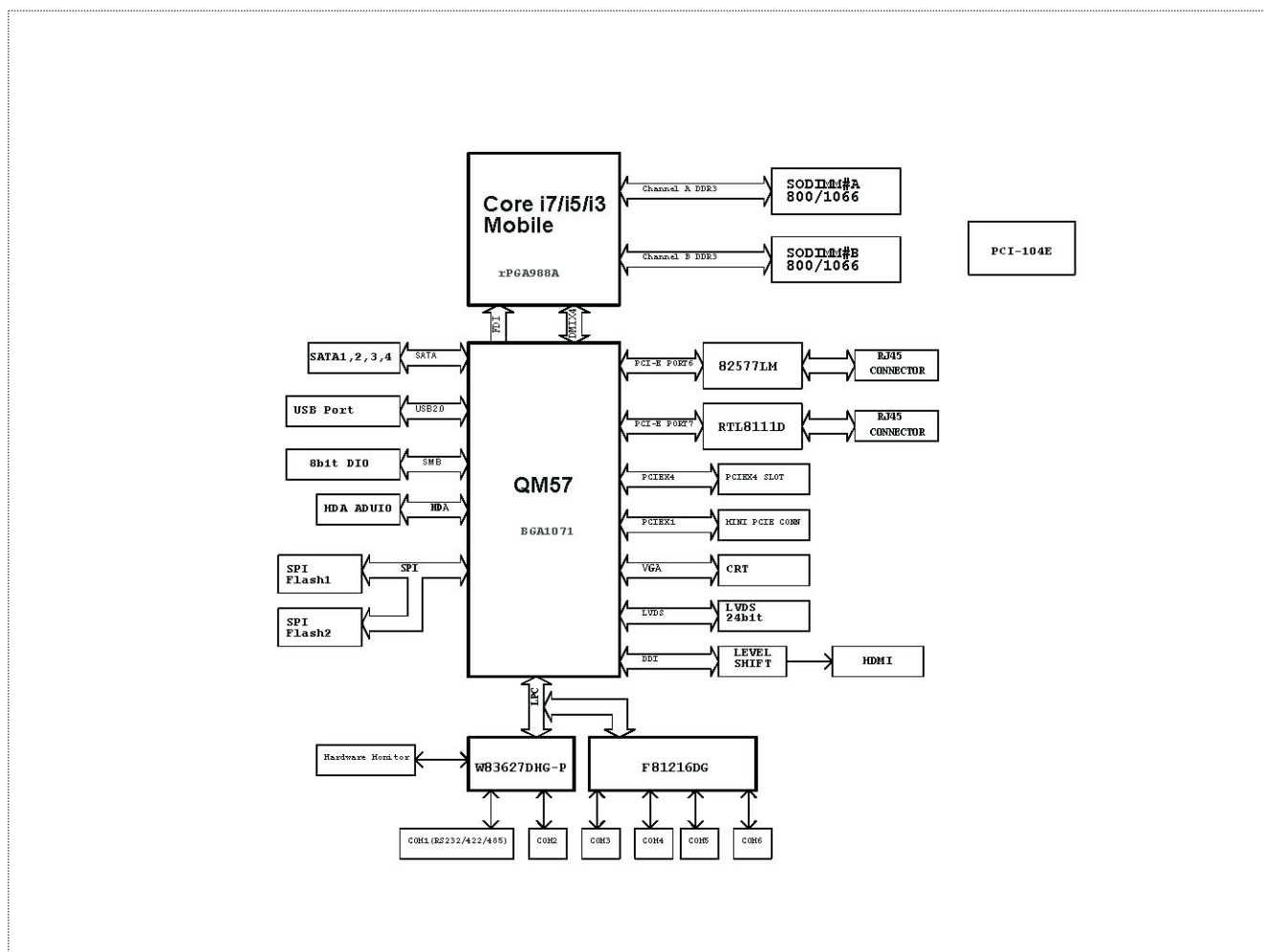
- 5.25" SBC Onboard Intel® PGA988 Package I7/I5/I3 series CPU
- Onboard 2 x 204-pin DDR3 SODIMM memory slots, up to 8GB
- Support 1 x VGA, 2 x 24-bit LVDS, 1 x HDMI
- Support 2 x 10/100/1000Mbps Ethernet interface
- Support 8 x USB2.0, 6 x COM, 4 x SATA, 1 x PCIE x4, 1 x Mini-PCIE, 1 x 8-bit DIO

Specifications

System	
Processor	Supports Mobile processor of Intel® PGA988 package: Intel® Core™ i7 600 series, Intel® Core™ i5 500 and 400 series, Intel® Core™ i3 300 series and Intel® Celeron® Processor P4500 (the CPU doesn't support AMT6.0)
Chipset	Intel® Q57 Express chipset
Memory	Onboard 2 x 204-pin DDR3 800/1066MHz SODIMM memory slots, up to 8GB
Hardware Monitor	Monitors system status, voltage, temperature and fan speed
Watchdog Timer	1~255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	1 x PCI-E x4, 1 x Mini-PCIE, 1 x PCI-104 Express
Storage	
IDE	N/A
Serial ATA	4 x SATA, support hot-swap function at RAID or AHCI mode
Floppy	N/A
CF	N/A
I/O Interface	
USB	8 x USB2.0
Serial Port	6 x COM, COM1 supports RS232/422/485 mode and modem wake-up function
Parallel Port	N/A
IrDA	N/A
GPIO	4 x DI, 4 x DO
Audio	Onboard ALC888 controller, Support Mic-in, Line-in and Line-out

Display	
Display Controller	Adopts Intel® Arrandale CPU internally integrated graphics controller display chip
Memory	256MB shared memory
Resolution	VGA mode: up to 2048 x 1536@75Hz HDMI mode: up to 1920 x 1200@60Hz
Dual Display	Support VGA + LVDS, VGA + HDMI, LVDS + HDMI independent dual display
Ethernet	
Chipset	1 x Intel® 82577LM, 1 x RTL8111D
Speed	10/100/1000Mbps
Connector	2 x RJ45 (Lan1 supports Wake-on-LAN, LAN PXE booting and AMT6.0 function)
Mechanical and Environmental	
Dimensions(L*W)	209mm x 146mm
Operating Temperature	0°C~60°C
Storage Temperature	-40°C~80°C
Operating Humidity	5%-95%,non-condensing
Power	
Power Supply	ATX power supply
Power Consumption	N/A
Operating System	
Windows OS	Windows 7/ Windows XP
Embedded OS	Linux

Board Diagram



Optional Accessories

Part Number	Name	Description	Qty.
2192-013181	Driver DVD/Protective film/RoHS	EC5-1813L2DNAR/ Ver: C00	1
2360-002581	Audio cable with bracket/RoHS	Three audio jacks to one 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	1
2360-014781	Dual USB ports with bracket/RoHS	Two USB ports to one 10 Pin (2x5) connector (2.0mm pitch), length: 550mm/RoHS	1
2360-017961	SATAHDD cable/RoHS	SATA-7P(female)/with metal spring piece/L=550mm	2
2360-027521	Serial port cable/RoHS	DB9 connector to 10 Pin (2x5) connector (2.0mm pitch), length: 300mm/RoHS	1

Ordering Information

Part Number	Model Number	Description
0030-013870	EC5-1813L2NAR	Motherboard

1

PICMG

2

EPIC/EBX /XTX

3

BoxPC

4

HMI

1

PICMG

2

EPIC/EBX /XTX

3

BoxPC

4

HMI