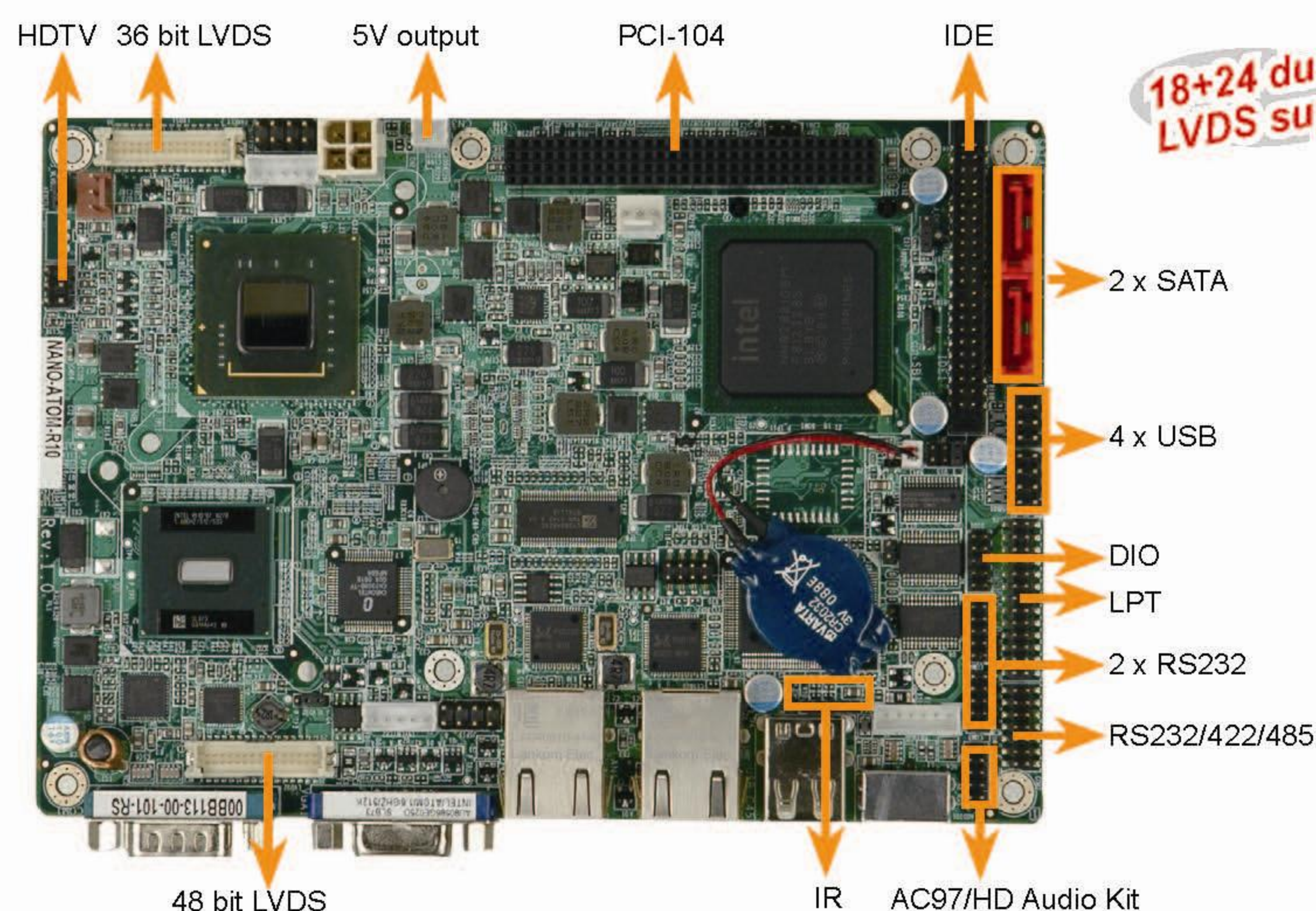
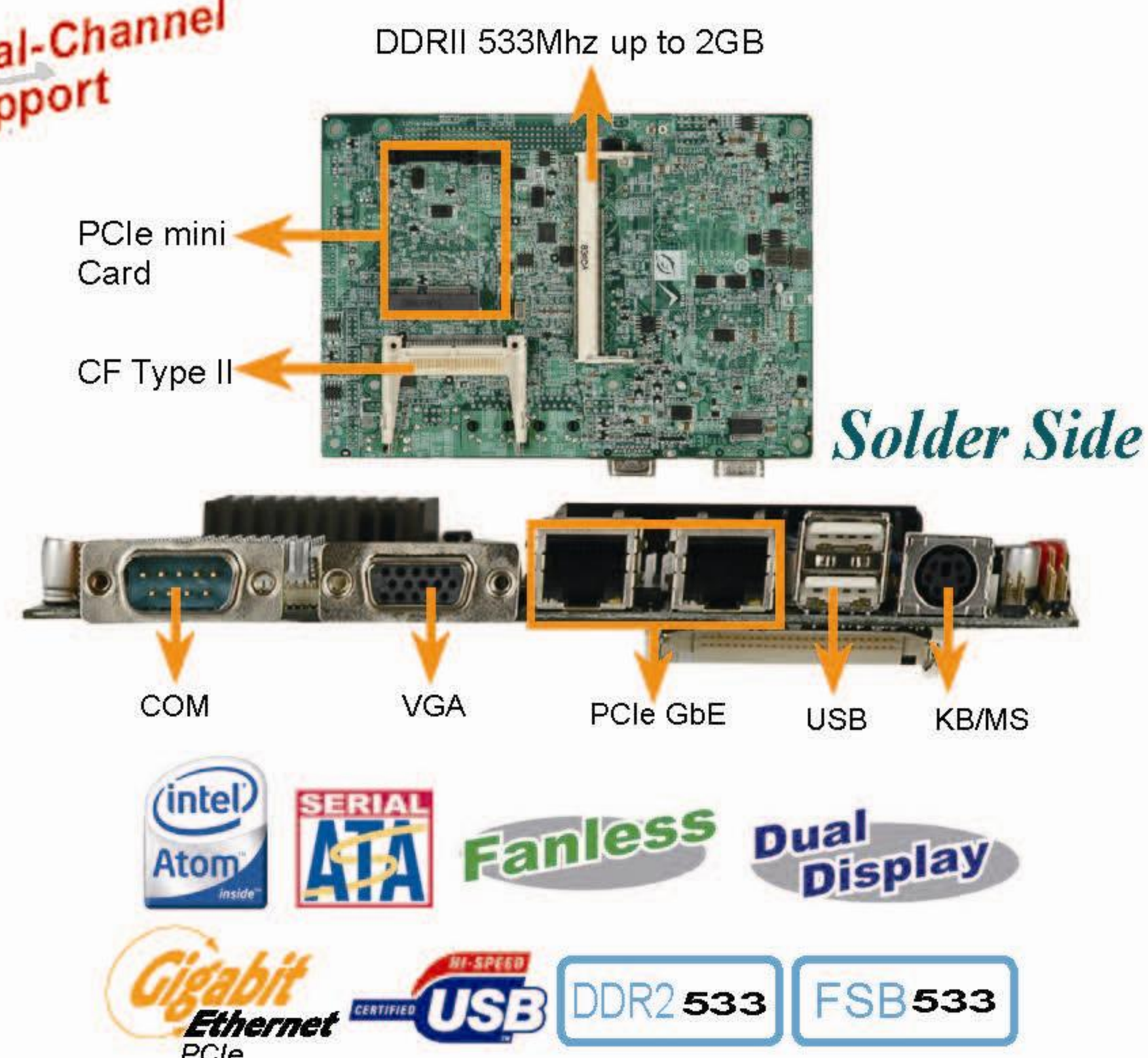


epic NANO-ATOM

EPIC SBC with Intel® Atom™ Processor, VGA/Dual LVDS/Dual PCIe GbE, CF type II, SATA



18+24 dual-Channel LVDS support



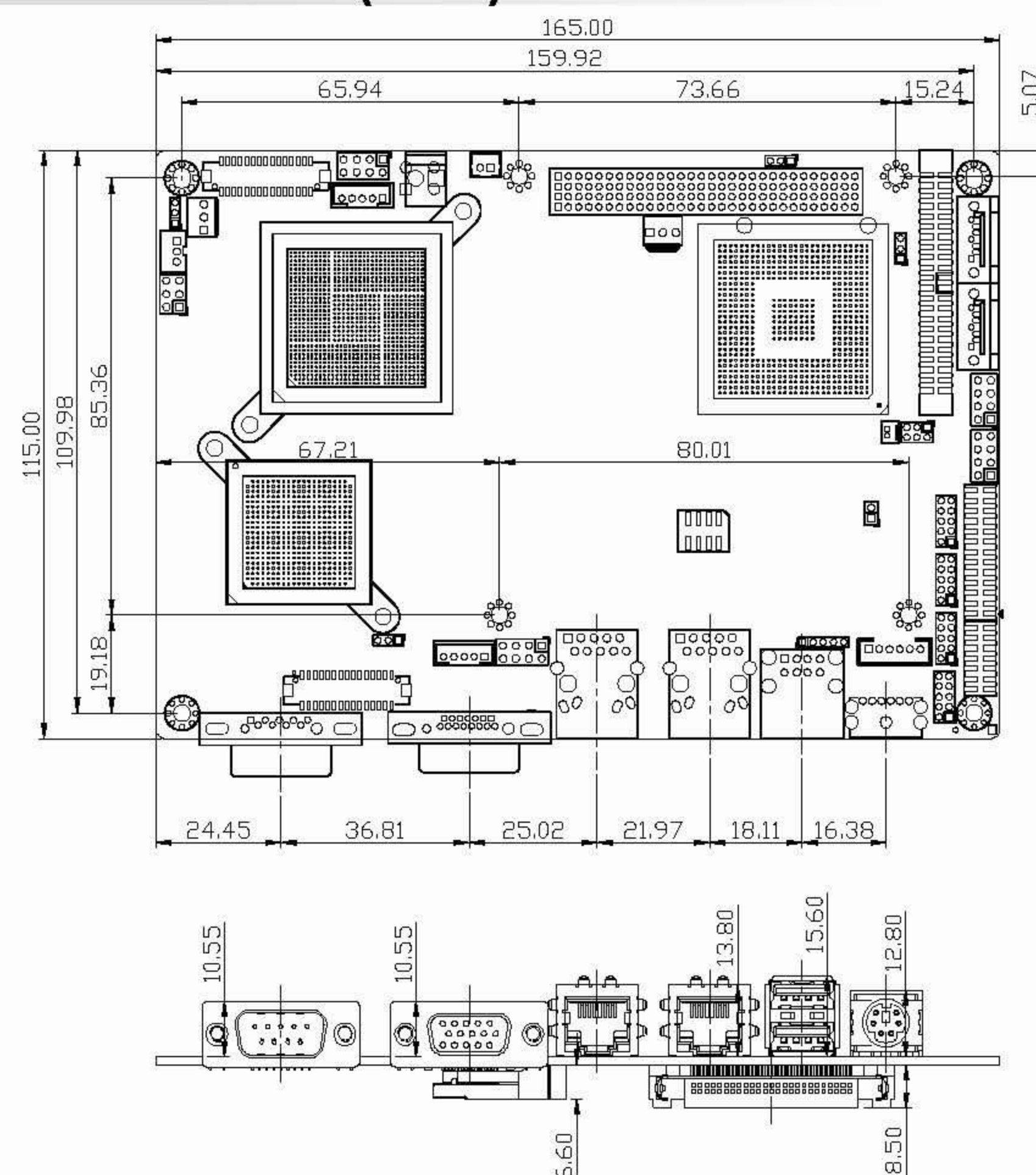
Specifications

- ◆ CPU
Intel® Atom™ Processor N270 1.6GHz with a 533Mhz FSB
- ◆ System Chipset
Intel® 945GSE
Intel® 82801GBM/ICH7M
- ◆ BIOS
AMI BIOS
- ◆ System Memory
One 200-pin 533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
Dual PCIe Realtek 8111CP GbE Chipsets
- ◆ I/O interface
6 x USB 2.0 2 x SATA
1 x IDE 3 x RS232
1 x RS-232/422/485 1 x PS/2 for KB/MS
1 x LPT 1 x CF Type II
- ◆ Infrared Interface
1 x Infrared Interface by pin header
- ◆ Expansions
1 x PCI-104 (PCI Bus)
1 x PCIe mini card
- ◆ Super IO
ITE IT8718
- ◆ Digital I/O
8-bit digital I/O, 4-bit input/4-bit output by super I/O
- ◆ Audio
5.1 channel audio kit with Realtek ALC655 AC'97 codec
7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
- ◆ Display Interface
Intel® Generation 3.5 integrated GFX Core (133Mhz)
VGA intergrated in Intel® 945GSE
support HDTV resolution up to 1080i by component interface
Dual LVDS support:
18 bit dual-channel LVDS intergrated in Intel® 945GSE
18/24 dual-channel LVDS support by Chronel CH7308 (NANO-ATOMLVDS2)
- ◆ Watchdog Timer
software programmable 1-255 sec. by super I/O
- ◆ Power Supply
12V only, AT/ATX support
- ◆ Power Consumption
12V@1.53A (Intel® Atom™ N270 with 2GB DDR2)
- ◆ Temperature
operation: 0°C~ 60°C (32°F~ 140°F)
- ◆ Humidity
operation: 5% ~95 non-condensing
- ◆ Dimension
165 mm x 115 mm
- ◆ Weight
GW: 700g NW 350g

Features

1. Intel® Atom™ Processor N270 1.6G CPU for Ultra Low Voltage Fan-less support
2. Single 12V power input, Provide 5V output for SATA Device
3. Dual LVDS support dual independent display
4. Support 4x COM / 6x USB / 2x SATA
5. Support PCIe Mini Card / PCI-104 for expansion

Dimensions (mm)



Ordering Information

Part No.	Description
NANO-ATOM-N270-R10	EPIC SBC with Intel® Atom™ N270 1.6G, VGA/LVDS, Dual GbE, CFII, USB, SATA
NANO-ATOMLVDS2-N270-R10	EPIC SBC with Intel® Atom™ N270 1.6G, VGA/18+24bit dual-Channel LVDS, Dual GbE, CFII, USB, SATA
32000-044300-RS	Dual Port USB Cable
32000-015100-RS	LPT Cable
32200-026500-RS	RS232/422/485 Cable
32100-043403-RS	ATX Power Cable
32000-083701-RS	HDTV out Cable
32200-000009-RS	44pin 2.5" IDE cable
32200-008800-RS	44pin to 2.5"/3.5" IDE cable
32100-088600-RS	SATA Power Cable
32000-114000-RS	SATA 5V power output Cable Kit for NANO series
AC-KIT08R-R10	5.1 channel AC'97 Audio Kit with Realtek ALC655 codec
AC-KIT883HD-R10	7.1 Channel HD Audio Kit with Realtek ALC883 codec support dual audio streams

Packing List

- 1 x NANO-ATOM Single board computer
- 2 x RS-232 cable (P/N: 32200-000049-RS)
- 2 x SATA Cable (P/N: 32000-062800-RS)
- 1 x KB/MS Cable (P/N: 32000-000138-RS)
- 1 x Power Cable (P/N: 32100-087100-RS)
- 1 x Mini Jumper Pack
- 1 x Utility CD
- 1 x QIG (Quick Installation Guide)