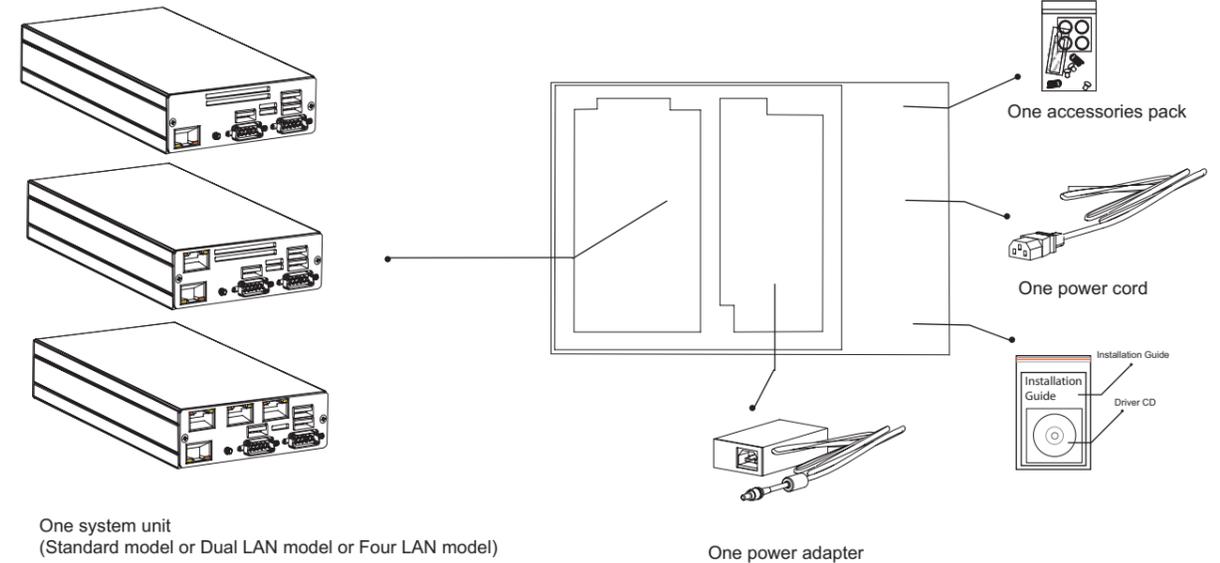


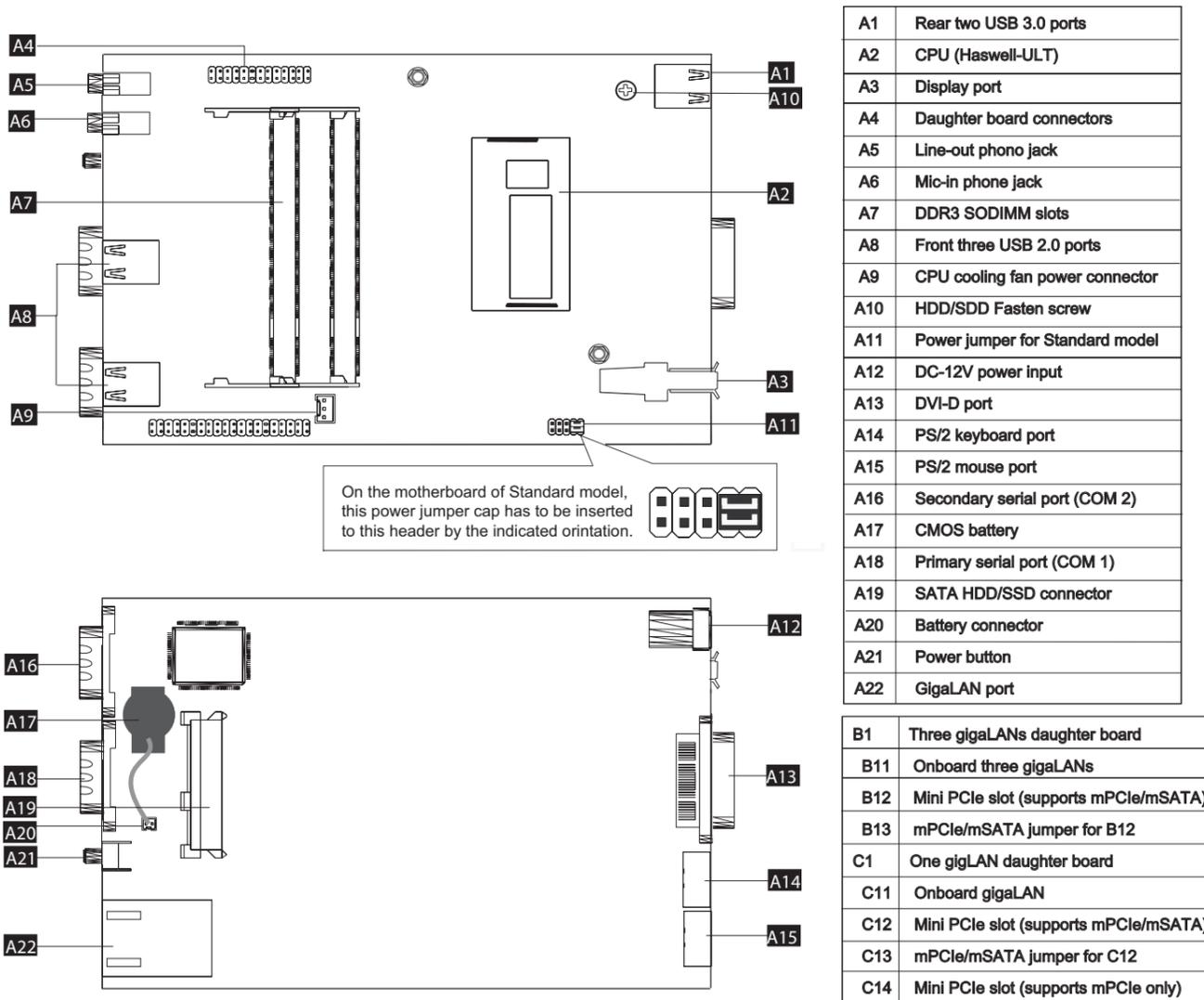
Specification

- **Processor**
Onboard Intel Celeron 2980U 1.6Ghz or i3-4010U 1.7Ghz, integrated 8 series chipset
- **Memory**
2 slots support SODIMM DDR3 1600Mhz, total memory size up to 16GB
- **Graphics**
Integrated Intel HD graphics in processor (Haswell-ULT)
- **Audio**
Realtek ALC892 high definition audio CODEC
- **LAN**
Standard model - One Intel i218LM 100/1000Mbps Intel Ethernet
Dual LANs model - One Intel i218LM and one Intel i210AT Ethernet
Four LANs model - One Intel i218LM and three Intel i210AT Ethernet
- **Storage Devices**
Supports SATA 6Gb/s and 3Gb/s specification
Supports 2.5" SATA hard disk drive and solid state drive
- **BIOS**
Insyde UEFI BIOS
CPU temperature, cooling fan speed, system voltage
- **IO Port & Interface**
3 x USB 2.0
1 x MIC
1 x Line out
2 x RS232
Power-on button
Power and HDD LED
1 x DVI-D
1 x DP (Display Port)
2 x PS/2 ports for Keyboard and Mouse
2 x USB 3.0 Ports (compatible to USB2.0/1.1)
1 x DC 12V Power-in Jack
1 x RJ45 100/1000Mb Fast Ethernet (Standard model)
(or 2 x RJ45 100/1000Mb Fast Ethernet - Dual LANs model)
(or 4 x RJ45 100/1000Mb Fast Ethernet - Four LANs model)
- 1 x mini PCIe slot in Dual LANs model (support both miniPCIe and mSATA device)
2 x mini PCIe slot in Four LANs model (one of slot supports both mPCIe and mSATA device)
- **Dimension & Volume**
102(W) x 148(D) x 38(H) mm; 0.58 Liter
- **Accessories**
Universal 100~240V AC in/12V 60W DC Power Adapter, Driver DVD, User's Guide, Screws Pack

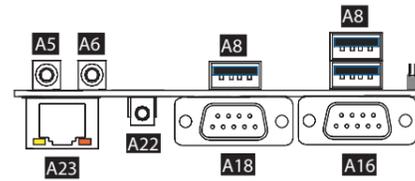
Item Checklist



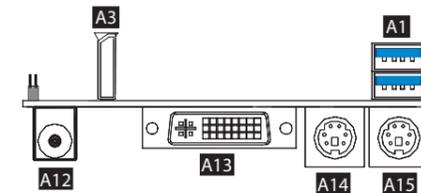
Mainboard and Optional Daughter Boards' Layout



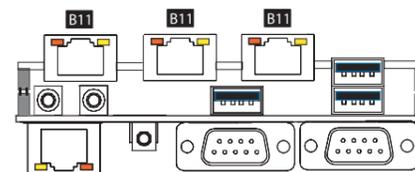
Standard model IO port alignment at front panel



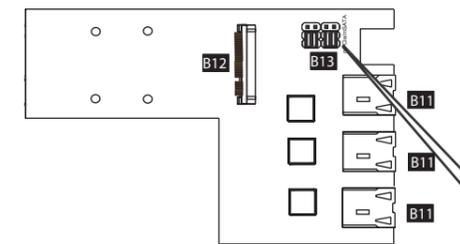
Standard model IO port alignment at rear panel



Four gigaLANs model with three-gigaLAN daughter board



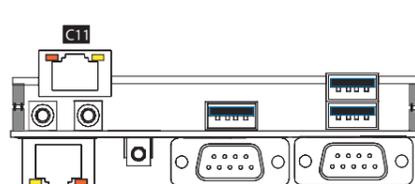
B1 Three gigaLANs daughter board



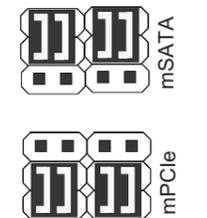
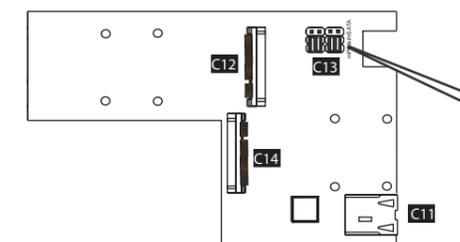
In Dual gigaLANs model or Four gigaLANs model, mini PCIe slot B12 on three gigaLAN daughter board or mini PCIe slot C12 on one gigaLAN daughter board are all support both miniPCIe and mSATA interface devices.

Onboard two mini jumper sets at B13(or C13) are used for mPCIe/mSATA interface setting of slot B12 and C12. (default is set to mPCIe)

Dual gigaLANs model with one-gigaLAN daughter board

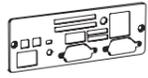
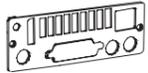
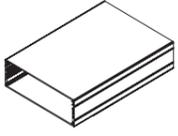
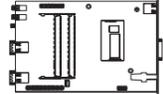
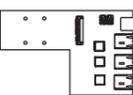


C1 One gigaLAN daughter board



Hardware Installation

Part List

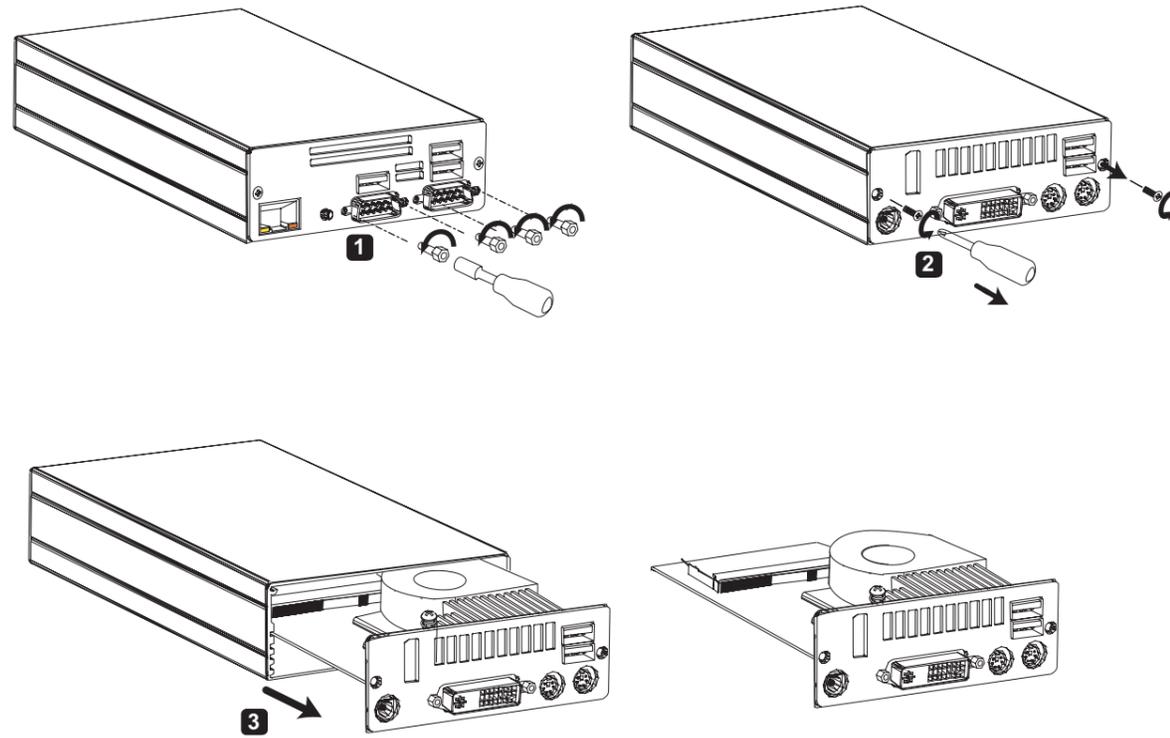
- (A)** COM port Hex Head Cap Screws (* 4) 
- (B)** Front Panel 
- (C)** Rear Panel 
- (D)** Case 
- (E)** Mainboard 
- (F)** Power Adapter 
- (G)** Power Cord 
- (H)** Optional Multi-Function Daughter Board (multi-LAN models) 

Accessories Pack

- (A)** Hex Head Cap Screws * 4 
- (L)** Case Screws * 2 
- (M)** Rubber Stand * 4 
- (N)** Power jumper cap * 1 (multi-LAN models) 
- (O)** Mini card screw * 2 or 4 (multi-LAN models) 
- (P)** Mini card spacer and fastener * 4 or 8 (multi-LAN models) 

STEP 1

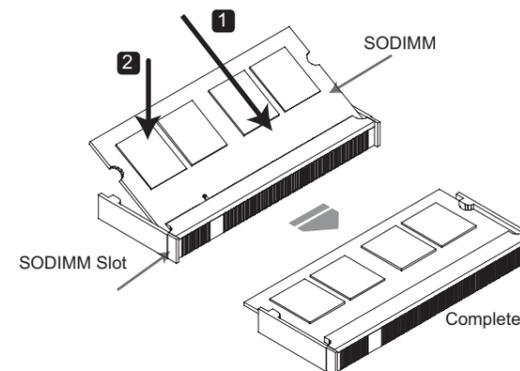
Unpacking Motherboard from the chassis



- 1** To loose four hex head cap screws on the front panel.
- 2** To loose two chassis screws at the rear panel.
- 3** Pull out the motherboard from the case.

STEP 2

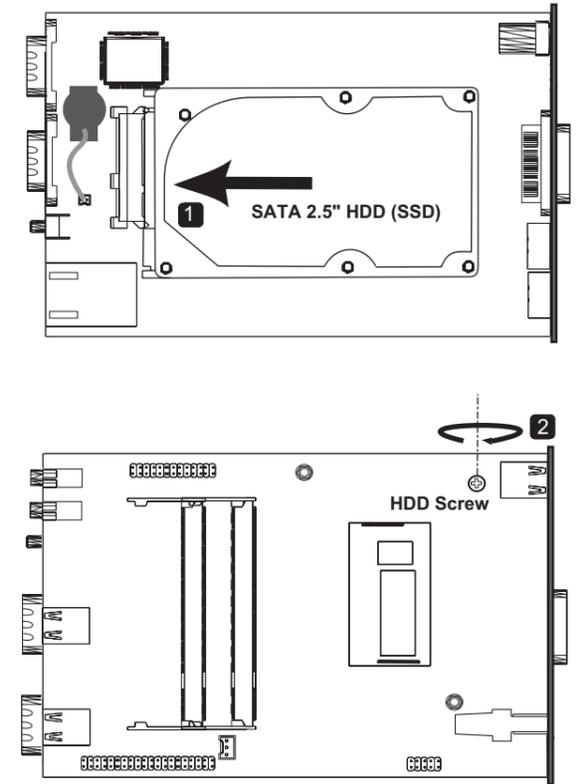
Installing Memories



- 1** Insert SODIMM into the SODIMM slot on the motherboard by 30°.
- 2** Push down the SODIMM onto the slot.

STEP 3

Installing 2.5" SATA HDD or SSD



- 1** Insert 2.5" SATA HDD (SSD) to the SATA connector on the reverse side of the mainboard.
- 2** Turnover the mainboard and drive the screw at the front side of the mainboard to fasten the HDD (SSD).

The system uses portion of casing for partial heat dissipation, so the normal operating temperature of casing is between 35°C ~ 45°C.

Specification is subject to change without notice, it is for reference only.