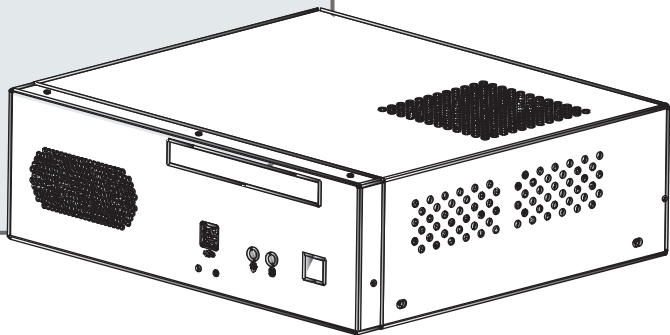


ST-1942

Quick Reference Guide



Ver. Q4

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Packing Checklist

If you discover any item below damaged or lost, please contact your vendor.

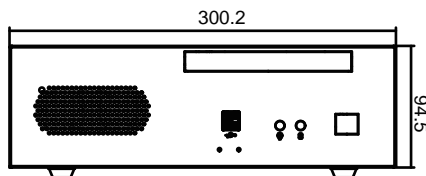
- ST-1942 x 1
- Driver/Manual CD x 1
- This Quick Reference Guide x 1
- Mini Jumper (2 mm) x 6
- Power Cord x 1
- DVI 29P To D-Sub 15P Connector x 1

Specifications

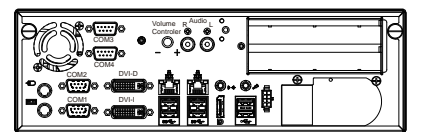
| System | |
|-----------------------------------|---|
| CPU Support | Intel® Core 4 th Gen. i3 / i5 / i7 processors (LGA1150, max 65W TDP) i7-4770S, i3-4340TE, i3-4330TE, Celeron G1820TE |
| Chipset | Intel Q87 |
| DRAM | 2 x 204p DDR3 SO-DIMM, socket up to 16GB |
| OS Support | Microsoft Window 7/ Window 8 |
| Power Supply | FSP Flex ATX 220W |
| Drive Bays | 2 x 2.5" SATA HDD & 1 x slim DVD-ROM |
| SATA | SATAIII x 4 |
| System Dimension | (W)300 x (H)94 x (D)270 mm |
| Watchdog | 1~255 sec |
| RAID function | RAID 0/1/5/10 |
| Speaker | Internal buzzer |
| Fan | 1 CPU Fan + 1 system Fan + twin Front System Fans |
| PXE | Available (disable in BIOS as default) |
| I/O port (front) | |
| POWER BUTTON | 1 x (option) |
| LED Indicator | 2 x (Power LED + HDD LED) |
| USB | 2 x USB 2.0 cable by pin header |
| USB | 4 x USB3.0 + 2x USB2.0 |
| Keyboard / Mouse | 2 x PS/2 port (wake up system from S1 to S4) |
| Serial Port | 4 x COM port, COM 2 for RS232/422/485 (COM1/2 support +5/+12V/RI selectable) |
| Display | 1 x DVI-I / 1x DVI-D / 1 DP , Support 3 independent display |
| LAN | 2 x Giga LAN (RJ45) , support Wake-on-LAN LAN1: Intel I217LM/V (Clarksville) / LAN2: Intel I210-AT (Springville) |
| Audio | Realtek ALC888S-VD2-GR HD Audio codec, Mic x 1, line out x 1, R channel x 1 + L channel x 1, Volume controller x 1 (Amplifier bypass by jumper setting) |
| DC out | 1x 8p(Molex micro-Fit 3.0) housing DC 5V&12V |
| USB | Additional 2 x USB 2.0 cable by pin header (option) |
| Expansion Slot | |
| PCIe/PCI slot (Riser card) | 1 x PCIe 16x + 1 x PCI (SR-5076RA-R2N) or 2 x PCI slot (SR-5076RA-R3N) |
| Environment | |
| Operation Temp. | 0°~ 40°C |
| Storage Temp. | -20 to 60°C |
| Humidity | 20~90% |
| RoHS | RoHS Version |
| Accessory | |
| DVI to VGA adapter | DVI to VGA adapter P/N: 10-625-04410123 |

System View

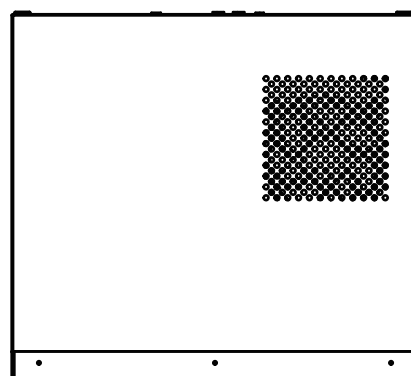
Front View



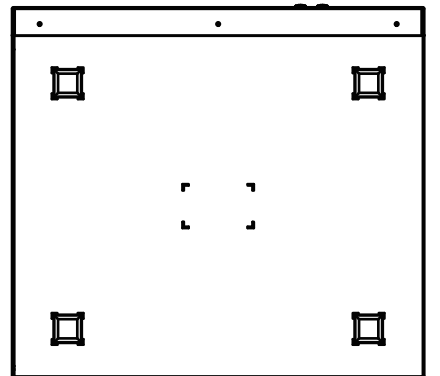
Rear View



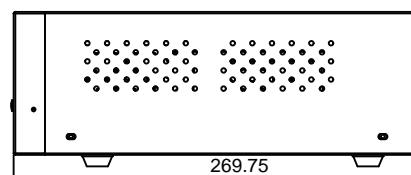
Top View



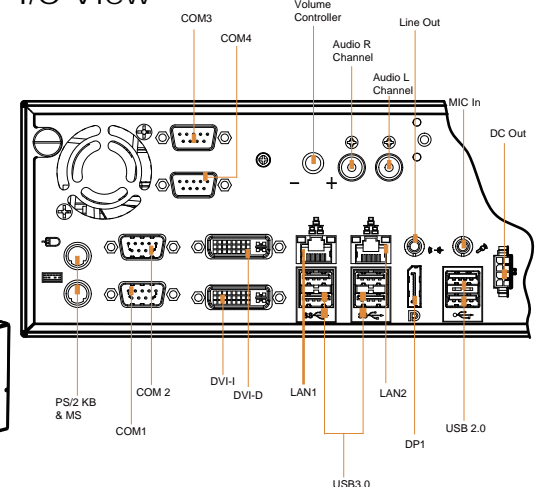
Bottom View



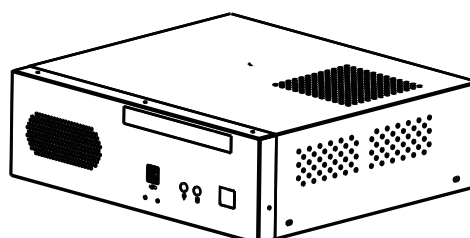
Side View



I/O View



Quarter View



ST-1942

Sharkbay L-type BPC PC with Intel® Core 4th Gen. i3 / i5 / i7 processors

Jumper Setting

BIOS Recovery Mode Selection

Recovery 1 Normal (default) 1

Front Panel Selection

HDD LED 3 12 11

Power LED 2 4 1

Reset Button 5 7 12

Power Button 9 11 6

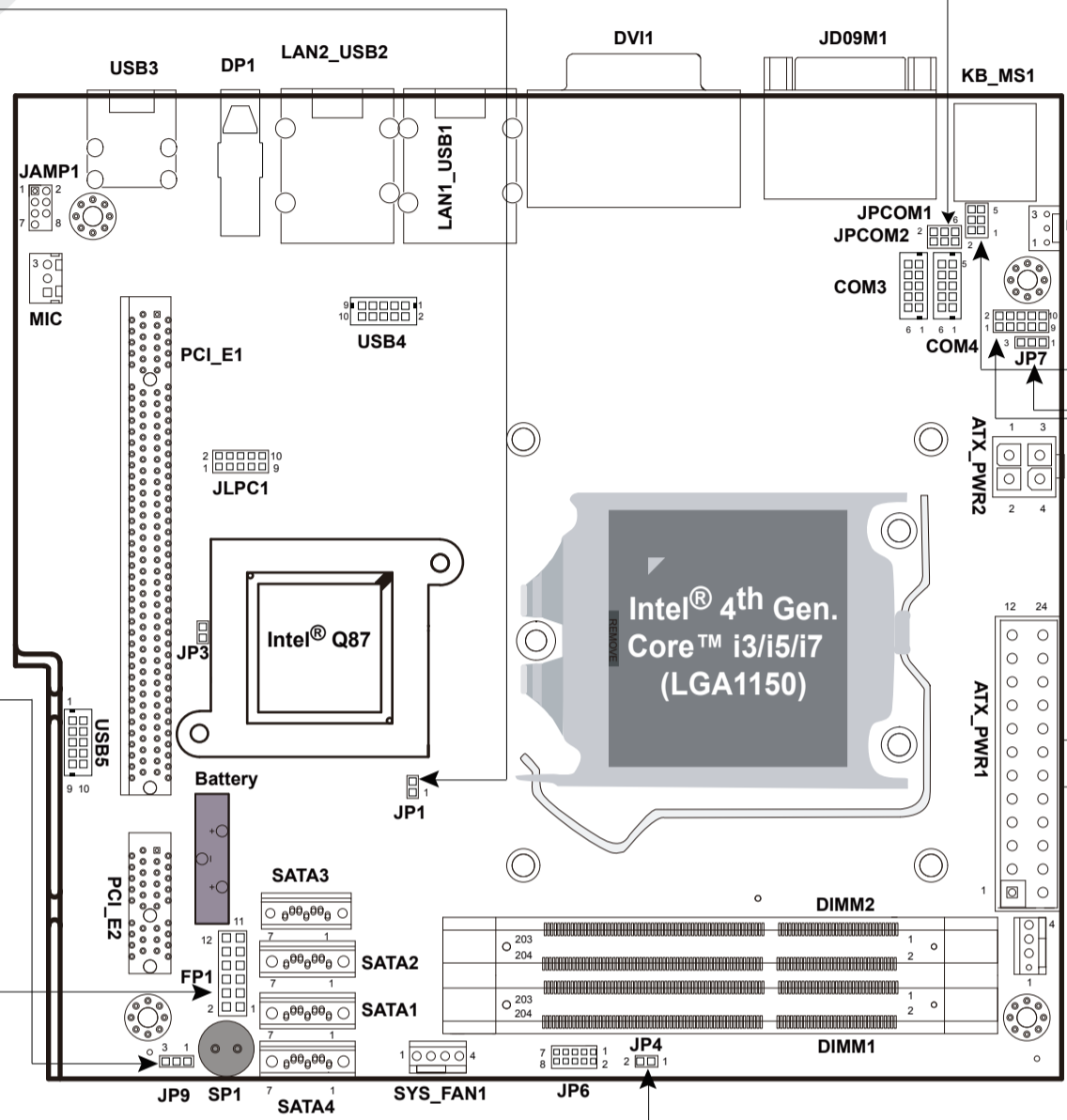
External Speaker 12 1

Power loss setting

On (default) 1 Off 1

Clear CMOS Data Selection

Normal (default) 1 Clear CMOS 1



COM2 RI & Voltage Selection

RI (default) 2 5 6 1 6 5

5V 2 6 5 1 6 5

12V 2 6 5 1 6 5

COM1 RI & Voltage Selection

RI (default) 6 5 2 1 5 1

5V 6 5 2 1 5 1

12V 6 5 2 1 5 1

COM2 Auto Detect Selection

Normal (default) 1 Auto gating 1

COM2 RS-232/422/485 Selection

RS232 (default) 2 10 9 1 10 9

RS422 2 10 9 1 10 9

RS485 2 10 9 1 10 9

Audio Board Jumper Setting

Bypass Amplifier

JP3 2 4 1 3

JP4 2 6 1 5

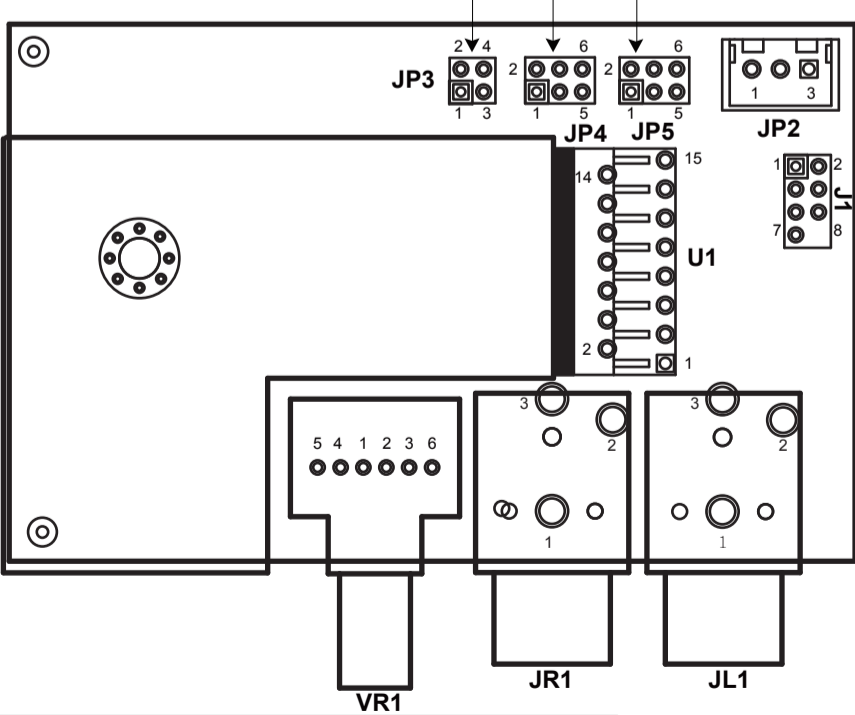
JP5 2 6 1 5

Amplifier (Default)

JP3 2 4 1 3

JP4 2 6 1 5

JP5 2 6 1 5



Safety Precaution

CAUTION!
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries per the manufacturer's instructions.

WARNING!
The equipment is not intended to be installed and used in a home, school or public area accessible to the general population. And the thumbscrews should be tightened with a tool after both initial installation and subsequent access to the enclosure. Before removing cover/chassis for service, remember to disconnect the power cord. Some internal parts of the system may have high electrical voltage. And therefore we strongly recommend that qualified engineers can open and disassemble the system. Access can only be gained by SERVICE PERSONS or by USERS who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

- The following messages are safety reminders on protecting your system from damages and extending a long life of the system.
1. Check the Cable Voltage
 - The range of operating voltage should be between 100~ 240V. Otherwise, the system could be damaged.
 2. Environmental Conditions
 - Place your ST-1942 on a sturdy & level surface. Be sure to allow enough space to have easy access around the system.
 - Avoid moving the system rapidly from a hot place to a cold one and vice versa because condensation may come from inside of the system.
 - Place ST-1942 in strong vibrations may cause hard disk failure.
 3. Handling
 - Do not allow foreign objects fall into this system
 - Do not turn the system upside down. This may cause the floppy drive and hard drive to mal-function.
 - If water or other liquid spills into this product, unplug the power cord immediately.
 4. Good Care
 - When the outside of the case is stained, remove the stain with neutral washing agent with a dry cloth.
 - If dust has been accumulated on the outside, clean with a special vacuum cleaner made for computers.