

## COM Express Type 6 with Intel® Atom™ E39xx Series Processor SoC



## Features

- Intel® Atom® E39xx Series Processor SoC
- SODIMM DDR3L 1867 x 2 up to 8 GB, ECC only
- Intel® I210 Gigabit Ethernet
- VGA, 18/24-bit 2CH LVDS/eDP, DDI up to 2
- High Definition Audio Interface
- SATA Gen3 x 2
- USB 2.0 x 8, USB 3.0 x 2
- PCI-Express: 3 Devices Max
- 12V DC Input
- COM Express Type 6 Compact Size
- 95mm x 95mm

## Specifications

| System                      |                                                                  |
|-----------------------------|------------------------------------------------------------------|
| Form Factor                 | COM Express, Compact, Pin-out Type 6                             |
| CPU                         | Onboard Intel® Atom™ SoC                                         |
| CPU Frequency               | Intel® Atom™ E39xx                                               |
| Chipset                     | Intel® Atom™ SoC                                                 |
| Memory Type                 | DDR3L1867, SODIMM x 2, ECC only                                  |
| Max. Memory Capacity        | 8GB                                                              |
| BIOS                        | AMI BIOS                                                         |
| Wake on LAN                 | Yes                                                              |
| Watchdog Timer              | 255 Levels                                                       |
| Power Requirement           | Nominal: +12V                                                    |
| Power Supply Type           | AT/ ATX                                                          |
| Power Consumption (Typical) | E3950 TDP: 12W                                                   |
| Dimension (L x W)           | 3.74" x 3.74" (95mm x 95mm)                                      |
| Operating Temperature       | 32°F ~ 140°F (0°C ~ 60°C)                                        |
| Storage Temperature         | -40°F ~ 176°F (-40°C ~ 80°C)                                     |
| Operating Humidity          | 0% ~ 90% relative humidity, non-condensing                       |
| MTBF (hours)                | —                                                                |
| Certification               | CE/FCC                                                           |
| Display                     |                                                                  |
| VGA/LCD Controller          | Intel® Atom™ SoC Integrated                                      |
| Video Output                | CRT, LVDS(eDP), DDI                                              |
| I/O                         |                                                                  |
| Ethernet                    | Intel® I210, Gigabit Ethernet                                    |
| Audio                       | High Definition Audio Interface                                  |
| USB Port                    | USB 2.0 x 8, USB 3.0 x 2                                         |
| Serial Port                 | Tx/Rx x 2                                                        |
| Parallel Port               | —                                                                |
| HDD Interface               | SATA x 2                                                         |
| FDD Interface               | —                                                                |
| SSD                         | —                                                                |
| Expansion Slot              | PCI-Express[x1] x 3 (devices)<br>LPC Bus x 1, SMBus x 1, I2C x 1 |
| GPIO                        | GPIO 8-bit                                                       |



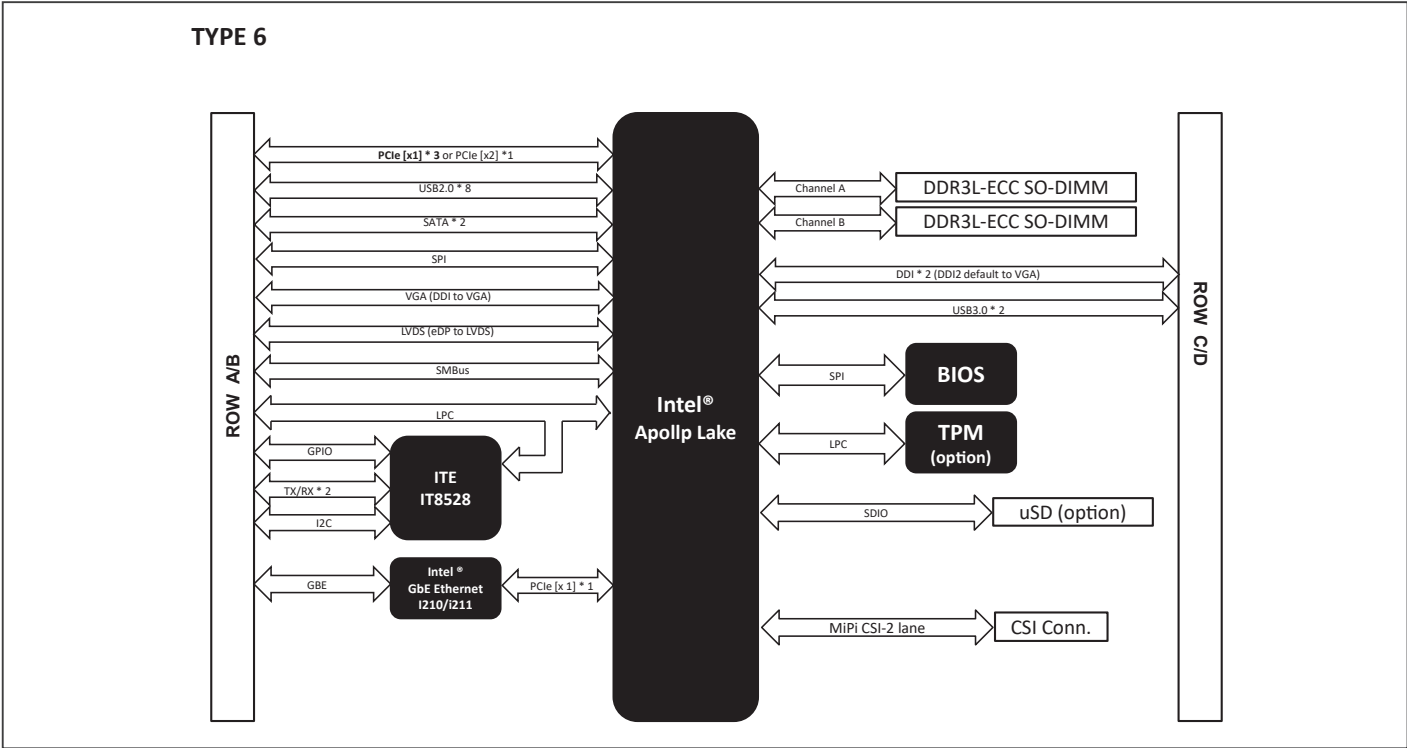
## Packing List

- M2.5 Screw x 4
- Product CD
- COM-APLC6

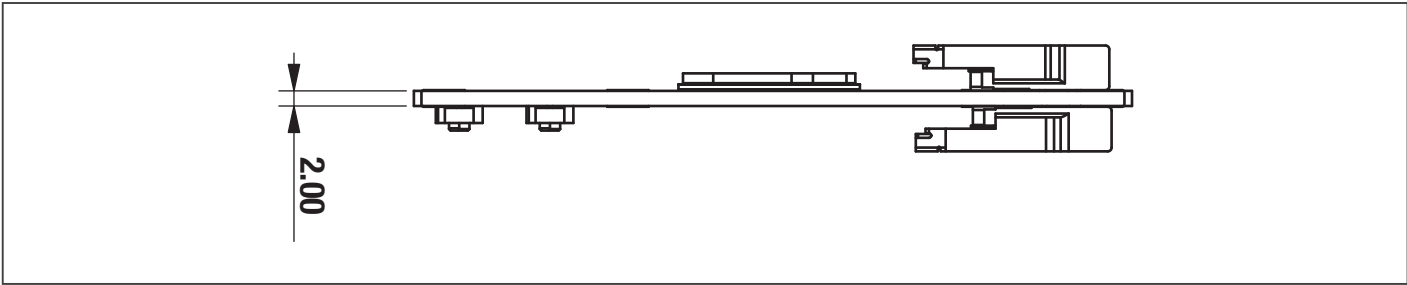
## Optional Accessories

- **COM-APLC6-HSP01**  
Heat Spreader, For COM-APLC6
- **COM-FAN02**  
CPU Cooler, 95 x 95 x 26.5mm, Silver, use with HSP
- **ECB-920A-A10-0001**  
COM Type 1/6/10, Carrier Board, ATX, GbE, 8 USB, 2 COM, 4 SATA, PCIe, AT/ATX, Legacy Free, Rev. A1.0

Block Diagram Unit: mm



Dimension Unit: mm



Ordering Information

| Part Number        | COM Express Type  | CPU          | Memory                                | Display               | LVDS                              | Storage      | LAN     | USB                     | UART      | Expansion Slot                       | Power | Power Temp | Others |
|--------------------|-------------------|--------------|---------------------------------------|-----------------------|-----------------------------------|--------------|---------|-------------------------|-----------|--------------------------------------|-------|------------|--------|
| COM-APLC6-A10-0001 | 6 (COM.0 Rev 2.1) | Intel® E3950 | DDR3L-ECC SODIMM Socket upto 8GB max. | CRT, LVDS/eDP DDI x 1 | 18/24b 2CH (LVDS shared with eDP) | SATA x 2 uSD | GbE x 1 | USB 3.0 x 2 USB 2.0 x 8 | 2 (Tx/Rx) | PCI-E[x1] x 3 (devices) MIPI-CSI x 2 | 12V   | 0°C~60°C   | —      |