

# 06 COM-APLC6

COM Express CPU Modules

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
- USB2.0 x 8, (Include USB 2.0/3.0 x 2)
- PCI-Express: 3 Devices Max
- 12V DC Input
- COM Express Type 6 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® 210, Gigabit Ethernet
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 6, USB 2.0/3.0 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) LPC Bus x 1 Smbus x 1
DIO	GPIO 8-bit



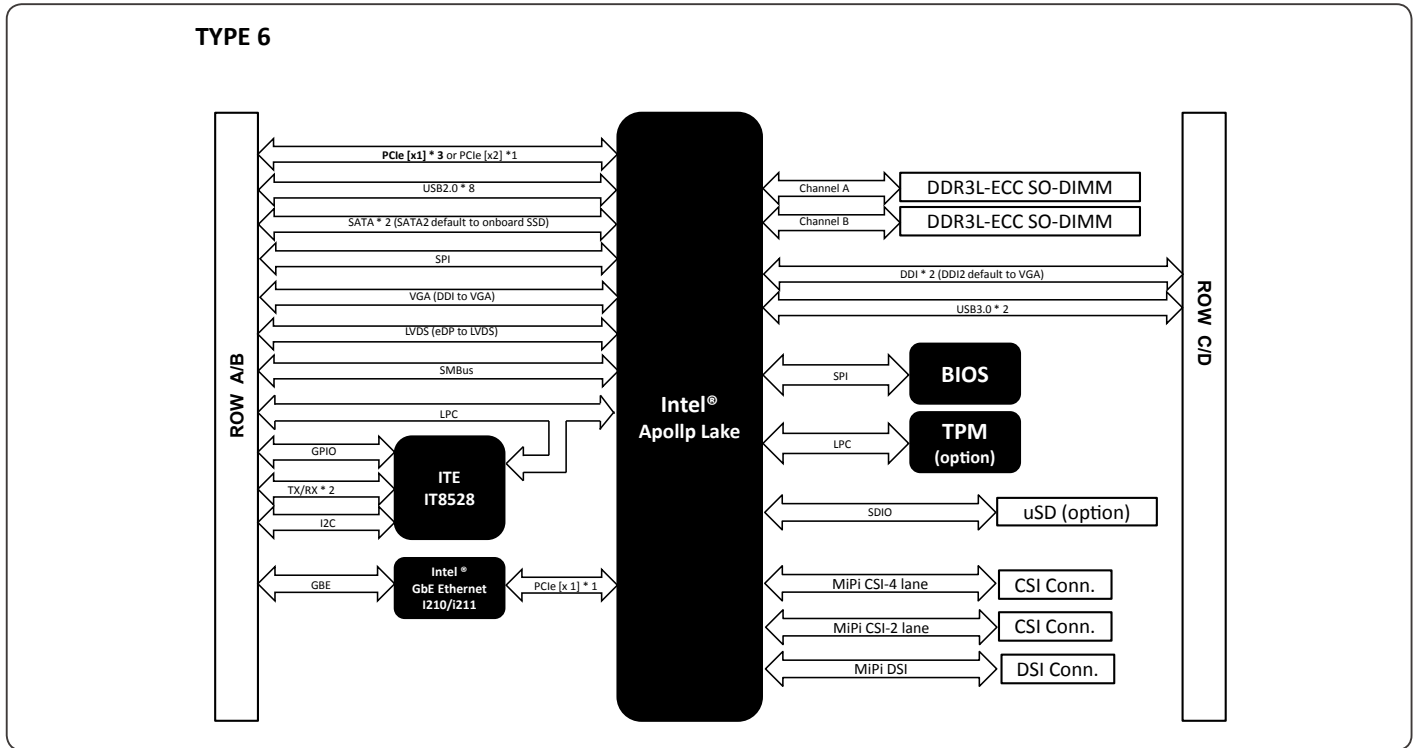
## Packing List

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

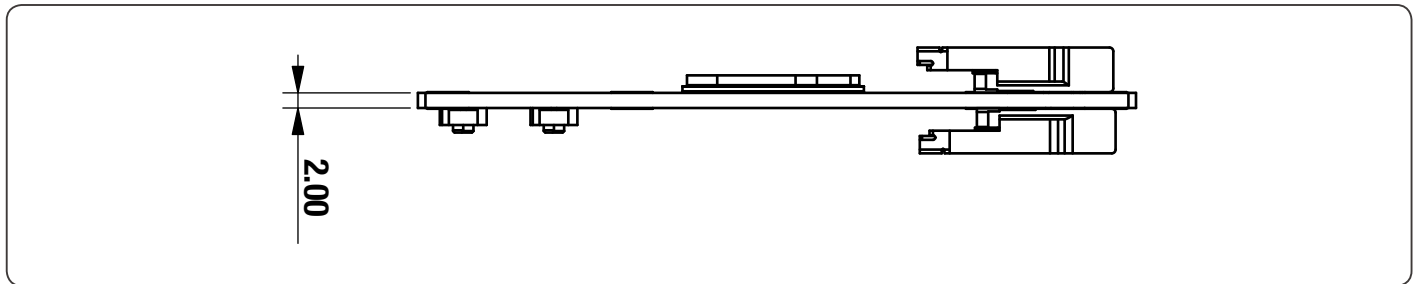
## Optional Accessories

- **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**  
COMe 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, MIPI-DSI	18/24b 2CH (LVDS share with eDP)	SATA x 2 uSD	GbE x 1	USB3.0 x 2 USB2.0 x 8	2 (Tx/Rx)	PCI-E[x1] x 3 (devices) MIPI-CSI x 2	12V	0°C~60°C	—