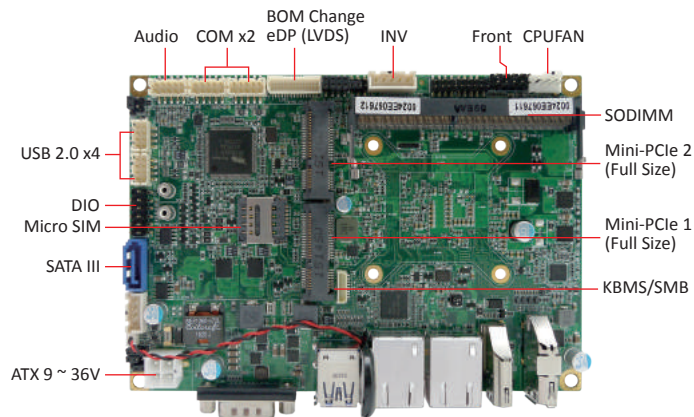


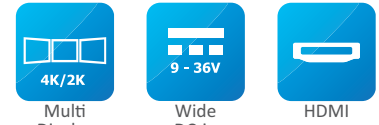
# AECX-SKL2



Intel® Skylake-U Series based 3.5" Embedded board support 6th Generation Core™ i7/i5/i3 / Celeron® processors with HDMI/DP/eDP(LVDS), 1 SATA III, 3 COM, 6 USB, Micro SIM socket, Dual GbE LAN.



## Key Features



- Intel® Skylake-U Series Processor on board
- One 260-pin SO-DIMM up to 16GB DDR4 2133MHz SDRAM
- Multi Display: HDMI/DP/eDP(LVDS), LVDS co-lay with eDP
- Two Intel® Gigabit Ethernet ports
- 2 Mini-PCIe (1 w/ mSATA, 1 w/ Micro SIM) expansion slots
- 1 SATA III, 3 COM, 2 USB 3.0, 4 USB 2.0
- Supports 4K2K Resolution Display
- DC-in 9V ~ 36V
- EuP/ErP 2013 Ready

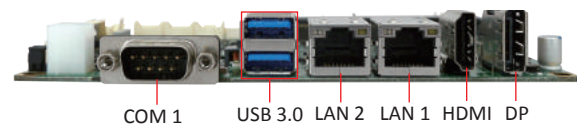
## Product Specification

|                          |  |
|--------------------------|--|
| System Processor/Chipset |  |
| Processor                | Intel® Core™ i7-6600U Processor Dual Core (4M Cache, up to 3.40 GHz)<br>Intel® Core™ i5-6300U Processor Dual Core (3M Cache, up to 3.00 GHz)<br>Intel® Core™ i3-6100U Processor Dual Core (3M Cache, 2.30 GHz)<br>Intel® Celeron® Processor 3955U Dual Core (2M Cache, 2.00 GHz) |
| Chipset                  | Intel® Skylake-U Processor integrated  |
| BIOS                     | AMI SPI Flash ROM  |
| Memory                   |  |
| Technology               | DDR4 2133MHz SDRAM   |
| Max. capacity            | Up to 16GB   |
| Socket                   | 1 x 260-pin SO-DIMM  |
| Display                  |  |
| Graphics                 | Intel® HD Graphics   |
| Display interface        | HDMI, DP, LVDS (Dual channel 18/24-bit) or eDP(optional)   |
| Multi display            | DP + HDMI, DP + LVDS(eDP), HDMI + LVDS(eDP), HDMI + DP + LVDS(eDP)   |
| Resolution               | DP: Up to 3840 x 2160 @ 60Hz<br>HDMI: Up to 3840 x 2160 @ 30Hz<br>LVDS: Up to 1920 x 1200 @ 60Hz<br>eDP(optional): Up to 2048 x 1280 @ 60Hz  |
| Ethernet                 |  |
| Interface                | 10/100/1000 Mbps   |
| Controller               | LAN1: Intel® I219LM GbE<br>LAN2: Intel® I210 GbE   |
| Connector                | 2 x RJ45   |
| Audio                    |  |
| Interface                | Line-in, Line-out, Mic-in  |
| CODEC                    | Realtek ALC662 HD  |
| Expansion Slot           |  |
| Mini-PCIe                | 2 Full Size (Mini-PCIe 1 w/ Micro SIM, Mini-PCIe 2 w/ mSATA)   |
| SATA                     |  |
| Max. data transfer rate  | 6.0 Gb/s   |
| Port                     | 1 x SATA III   |
| I/O                      |  |
| Audio                    | Line-in, Line-out, Mic-in (Onboard box-header)   |
| USB                      | 2 x USB 3.0 (Rear I/O)<br>4 x USB 2.0 (Onboard box-header)   |
| COM                      | 2 x RS-232 (Onboard box-header)<br>1 x RS-232/422/485 (Rear I/O)<br>All ports of Onboard with 5V selection   |
| HDMI/VGA/DVI/DP          | 1 x HDMI (Rear I/O)<br>1 x DP (Rear I/O)   |

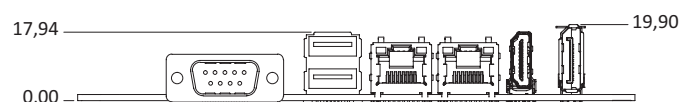


|                       |  |
|-----------------------|--|
| DIO                   | 4-in / 4-out   |
| PS/2 (SMB)            | 1 (Onboard box header share with SMBus)              |
| Power Requirement     |  |
| Power connector       | ATX 2x2-pin or w/ DC-Jack screw type (optional)      |
| Power type            | DC-in 9V ~ 36V                                       |
| Power mode            | AT/ATX (by jumper selection)                         |
| Watchdog Timer        |  |
| Interval              | Programmable 1 ~ 255 sec/min                         |
| Output                | System reset   |
| Environment           |  |
| Operating temperature | 0°C ~ 60°C (32°F ~ 140°F) (T1~T3 optional)           |
| Storage temperature   | -20°C ~ 80°C (-4°F ~ 176°F)                          |
| Relative humidity     | 0% ~ 95% (non-condensing)                            |
| Form Factor           |  |
| Dimensions (L x W)    | 3.5" Embedded Board<br>146mm x 102mm (5.75" x 4.01") |

## Rear I/O



## Dimensions



## Ordering Information

AECX-SKL2-6600U/6300U/6100U/3955U (MOQ Required)

Intel® Skylake-U Series Processor on board, 1 x DDR4 SO-DIMM up to 16GB, 1 x HDMI, 1 x DP, 1 x eDP(LVDS), 2 x GbE LAN, 2 x Mini-PCIe slots (1 w/ mSATA, 1 w/ Micro SIM), 1 x SATA III, 2 x USB 3.0, 4 x USB 2.0, 3 x COM, SATA Cable, SATA Power Cable, DC-in 9V ~ 36V, 3.5" Embedded Board.

\*All specifications and photos are subject to change without prior notice