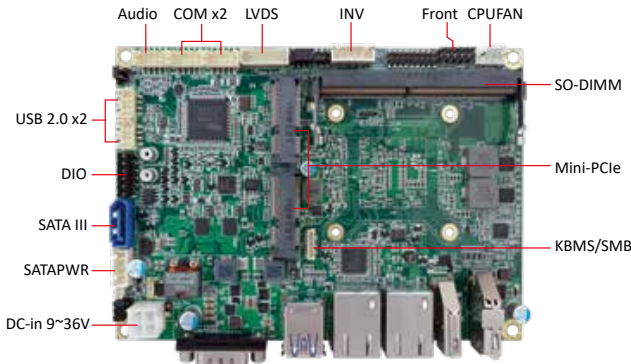


AECX-SKL2

Intel® Skylake-U Series based 3.5" Embedded Board supports Intel® 6th Gen Core™ i7/i5/i3/ Celeron® Processors with DP/HDMI/LVDS, SATA III, 3 COM, 6 USB, Dual Intel® GbE LAN.



Key Features

- Intel® 6th Gen Core™ i7/i5/i3 / Celeron® series processor onboard
- One 260-pin SO-DIMM up to 16GB DDR4 2133MHz SDRAM
- Multi-Display: HDMI/DP/LVDS(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 and 4 USB 2.0
- Supports 4K/2K Resolution Display
- DC-in 9V ~ 36V
- EuP/ErP 2013 Ready
- Support Intel® AMT v11.0 (w/ Core™ i7/i5 processors)

Product Specification

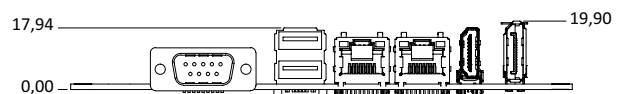
| System Processor/Chipset | |
|--------------------------|--|
| Processor | Intel® 6th Skylake -U series processor onboard Core™ i7-6600U (2.6GHz/3.4GHz, 2C/4T, 25W) Core™ i5-6300U (2.4GHz/3.0GHz, 2C/4T, 25W) Core™ i3-6100U (2.3GHz, 2C/4T, 15W) Celeron® 3955U (2.0GHz, 2C/2T, 15W) |
| Chipset | Intel® Skylake-U Processor integrated |
| BIOS | AMI UEFI Flash ROM |
| Memory | |
| Technology | DDR4 SDRAM up to 2133MHz |
| Max. capacity | Up to 16GB |
| Socket | 1 x 260-pin SO-DIMM |
| Display | |
| Graphics | Intel® HD Gen9-LP Graphics integrated |
| Display interface | 1 x HDMI v1.4, 1 x DP v1.2 1 x LVDS(eDP) 2ch 18/24-bit (co-layout eDP) 1 x eDP v1.3 (optional) |
| Multi-display | Up to three independent displays (Celeron® processor only support Dual-display) |
| Resolution | DP: 3840 x 2160 @ 60Hz (max) HDMI: 4096 x 2160 @ 24Hz (max) LVDS: 1920 x 1200 @ 60Hz (max) eDP: 1920 x 1080 @ 60Hz (max) |
| Ethernet | |
| Interface | 10/100/1000 Mbps |
| Controller | LAN1: Intel® I219 GbE PHY w/ AMT v11.0 (only Core™ i7/i5 processor supports) LAN2: Intel® I219LM GbE |
| Connector | 2 x RJ45 (rear I/O) |
| Audio | |
| Interface | Line-out, Mic-in, Line-in |
| CODEC | Realtek ALC662 HD Audio Codec |
| Expansion Slot | |
| Mini-PCIe | 2 x Full size (1 w/ Micro-SIM, 1 combo mSATA) |
| SATA | |
| Max. data transfer rate | 6.0 Gb/s |
| Port | 1 x SATA III |
| I/O | |
| Audio | Line-out, Mic-in, Line-in (box-header) |
| USB | 2 x USB 3.0 (rear I/O) 4 x USB 2.0 (box-header) |
| COM | 2 x RS-232 (box-header) 1 x RS-232/422/485 (rear I/O) All ports with 5V selection |
| HDMI/VGA/DVI/DP/LVDS | 1 x HDMI (rear I/O), 1 x DP (rear I/O) 1 x LVDS (box-header, co-layout eDP, optional) |
| DIO | 4-in / 4-out (box-header) |
| SMBus | 1 x SMBus (box-header) |

| Power Requirement | |
|-----------------------|---|
| Power connector | 1 x Wafer 1x2P or ATX (2x2-pin, optional) 1 x 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) standard -20°C ~ 70°C (-4°F ~ 158°F) optional -40°C ~ 70°C (-40°F ~ 158°F) optional |
| Storage temperature | -40°C ~ 80°C (-40°F ~ 176°F) |
| Relative humidity | 0% ~ 95% (non-condensing) |
| Form Factor | |
| Dimensions (L x W) | 3.5" Embedded Board 146mm x 102mm (5.75" x 4.01") |

Rear I/O



Dimensions



Ordering Information

| Part Number | Description |
|----------------|---|
| AECX-SKL2-6600 | 3.5", Intel Core i7-6600U 25W, HDMI/DP/LVDS, SATA/3COM/6USB/2LAN, DC(9V~36V)/WF1X2P |
| AECX-SKL2-6300 | 3.5", Intel Core i5-6300U 25W, HDMI/DP/LVDS, SATA/3COM/6USB/2LAN, DC(9V~36V)/WF1X2P |
| AECX-SKL2-6100 | 3.5", Intel Core i3-6100U 15W, HDMI/DP/LVDS, SATA/3COM/6USB/2LAN, DC(9V~36V)/WF1X2P |
| AECX-SKL2-3955 | 3.5", Intel Celeron 3955U 15W, HDMI/DP/LVDS, SATA/3COM/6USB/2LAN, DC(9V~36V)/WF1X2P |

Optional Accessories

| Part Number | Description |
|--------------|------------------|
| VK00000700A9 | SATA cable |
| VK00002600A9 | SATA power cable |
| NAAA000700LQ | Heatsink |
| 113310506601 | Heat Spreader |

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660