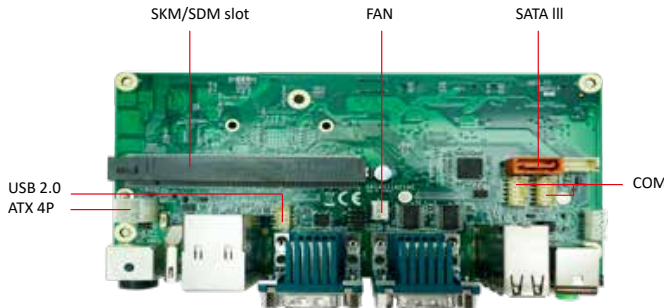


AEXP-SKM0-IOB0

Intel® Smart Kiosk Module/ Smart Display Module Carrier Board
Support Intel® SKM/ SDM Module with
HDMI/cLVDS, SATA/M.2 M-key 2280, 2 mPCIe, 7 COM, 8 USB, LAN.



SKM Module



Key Features

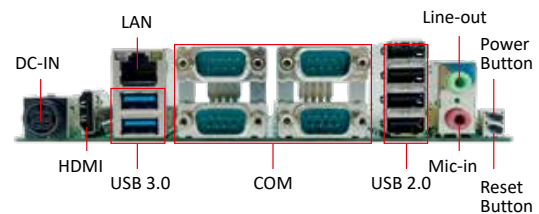
- Support Intel® SKM / SDM Module
- Multi-Display : HDMI / cLVDS 4K@60 (optional)
- Storage : 1 SATA III port and 1 M.2 M-key 2280 (SSD) slot
- Expansion slot : 2 Mini-PCIe (1 w/ uSIM) slots
- Int. I/O : 2 COM, FAN, GPIO (1 bit), GSPI, 2 I²C (Master/Slave), UART, 2 USB 2.0 ports
- Rear I/O : 2 Audio Jack (Line-out/Mic-in), 4 COM, LAN (RJ45), 2 USB 3.0 and 4 USB 2.0
- Power input : DC-IN Jack 12Vdc or 19 Vdc ~ 24Vdc

Product Specification

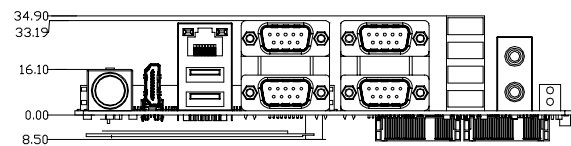
| Module | |
|-------------------|---|
| Intel® SKM | Intel® SKM 175mm x 140mm module |
| Intel® SDM | Intel® SDM-S 60mm x 100mm module Intel® SDM-L 175mm x 100mm module |
| Display | |
| Graphics | Please refer to Intel® SKM / SDM module |
| Display interface | 1 x HDMI (HDMI ver. refer the SDM/SKM module) 1 x cLVDS (DP v1.2 to cLVDS, optional) |
| Multi-display | HDMI + cLVDS (optional) |
| Resolution | HDMI : (HDMI resolution refer to SDM/SKM module) cLVDS : 4K2K @ 60Hz (max.) |
| Ethernet | |
| Interface | LAN MDix interface (SKM only) |
| Controller | Please refer to Intel® SKM module |
| Connector | 1 x RJ45 (SKM only) |
| Audio | |
| Interface | Line-out and Mic-in interface (SKM only) |
| CODEC | Please refer to Intel® SKM module |
| Expansion Slot | |
| Mini-PCIe | 1 x Mini-PCIe Full size w/ uSIM 1 x Mini-PCIe Full size (SKM only) |
| M.2 (M-key) | 1 x M.2 M-Key 2280 SATA SSD (SKM only) |
| Serial ATA | |
| Max. Data Rate | 6.0GB/s |
| Port | 1 x SATA III port (SKM only) |
| Rear I/O | |
| Audio | 1 x Line-out and Mic-in Audio Jack (SKM only) |
| Button | 1 x Power Button, 1 x Reset Button |
| COM | 1 x RS-232/422/485 (SKM only) 3 x RS-232 (SKM only) |
| Display | 1 x HDMI |
| LAN | 1 x LAN RJ-45 (SKM only) |
| USB | 4 x USB 2.0 (2 x USB 2.0 SDM only) 2 x USB 3.0 (SKM only) |
| Internal I/O | |
| COM | 1 x RS-232 Tx/Rx, 2 x RS-232 (SKM only) |
| Display | 1 x cLVDS (optional) |
| FAN | 1 x 3-pin System Fan |
| GPIO | 1 x 1-bit Programmable GPIO (SKM only) |
| GSPI | 1 x General SPI |
| I ² C | 1 x I ² C Master, 1 x I ² C Slave |
| Speaker | 1 x 10W Audio Amp. for 4Ω speaker (SKM only) |
| USB | 2 x USB 2.0 |
| Power Requirement | |
| Power connector | DC Power Jack 4-pin lock and ATX 2x2-Pin |
| Power type | DC-IN 12Vdc or 19Vdc ~ 24Vdc |

| 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) | Intel® SKM / SDM Carrier Board 175mm x 88mm (6.89" x 3.46") |

Rear I/O



Dimensions



Ordering Information

| Part Number | Description |
|----------------|---|
| AEXP-SKM0-IOB0 | Expansionboard, Intel SKM, HDMI/cLVDS, SATA/6COM/UART/8USB/LAN, DC(12V, 19~24V)/DC-Jack(Lock) |
| AEXP-SKM0-IOB1 | Expansionboard, Intel SKM, HDMI, SATA/6COM/UART/8USB/LAN, DC(12V, 19~24V)/DC-Jack(Lock) |
| AEXP-SDM0-IOB0 | Expansionboard, Intel SDM, HDMI/cLVDS, UART/4USB, DC(12V, 19~24V)/DC-Jack(Lock) |
| AEXP-SDM0-IOB1 | Expansionboard, Intel SDM, HDMI, UART/4USB, DC(12V, 19~24V)/DC-Jack(Lock) |

Optional Accessories

| Part Number | Description |
|-------------|------------------------------------|
| 84061211202 | Power Adapter DC-Jack 12V/10A 120W |
| TBD | Power Adapter DC-Jack 24V/5A 120W |

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.

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