

SBC-330/SBC-331

3.5" SBC Motherboard



Spotlight Features

- BGA1356 for Intel® Skylake-U SoC
 - SBC-330P (i7-6600U)
 - SBC-330M (i5-6300U)
 - SBC-331V (i3-6100U)
- Intel® Gen9 Intel® Graphics DX 11/12, OGL4.3/4.4
- Supports DDR4 2133MHz, 2 x SO-DIMM, up to 32GB system memory
- 2 x DP1.2
- 4 x USB 3.0, 4 x USB 2.0, 2 x SATA3
- 1 x mini-PCIe
- Gigabit LAN : 2 x Intel LAN
- DC 12-36V power input

Specifications

| Processor System | SBC-330 | SBC-331 |
|------------------------|--|--|
| Dimension | 3.5" SBC (5.8-in x 4.0-in) / (146 x 102 mm) | |
| CPU | BGA1356 for Intel® Core i7/i5 (Skylake-U) | BGA1356 for Intel® Core i3 (Skylake-U) |
| Core Number | (by CPU, Max 4) | |
| Max Speed | (by CPU) | |
| L3 Cache | (by CPU) | |
| Chipset | (by CPU) | |
| BIOS | UEFI | |
| Expansion Slot | | |
| PCIe | 0 | |
| Mini PCIe | 1 x mini-PCIe (half/full/ size, PCIe1 + USB2.0) 1 x mini-PCIe (full size, shared with SATA, + USB2.0) | |
| M.2 | 0 | |
| mSATA | 0 | |
| Memory | | |
| Technology | Dual Channel DDR4 2133MHz | |
| Max. | 32GB | |
| Socket | 2 x SO-DIMM | |
| Graphics | | |
| Controller | Intel® Gen9 Intel Graphics DX 11/12, OGL4.3/4.4 | |
| VRAM | Shared Memory | |
| VGA | No | |
| LVDS | Supports max resolution up to 1920 x 1200@60Hz @60Hz | |
| HDMI | No | |
| DVI | No | |
| DisplayPort | DP1.2 Supports max resolution up to 4096 x 2160@60Hz | |
| Multi Display | Yes (Dual Display) | |
| Ethernet | | |
| Interface | 10/100/1000 Mbps | |
| Controller | 1 x Intel® I219-LM, 1 x Intel® I211AT | 1 x Intel® I219-V, 1 x Intel® I211AT |
| Connector | 2 x RJ45 | |
| SATA | | |
| Max Data Transfer Rate | SATA3 (6.0Gb/s) | |

| Rear I/O | SBC-330 | SBC-331 |
|-------------|------------|---------|
| VGA | 0 | |
| DVI | 0 | |
| HDMI | 0 | |
| DisplayPort | 2 x DP1.2 | |
| Ethernet | 2 | |
| USB | 4 x USB3.0 | |
| Audio | 0 | |
| Serial | 0 | |
| PS/2 | 0 | |

| Internal Connector | |
|---------------------|---|
| USB | 4 x USB 2.0 (2 x 2.54 pitch header) |
| LVDS/Inverter | 1/1 |
| VGA | 0 |
| Serial | 4 x 2.0 pitch header RS-232 (COM1 support RS-232/422/485) |
| SATA | 2 x SATA3 (6.0Gb/s) |
| mPCIe | 0 |
| Parallel | 0 |
| mSATA | 0 |
| IrDA | 0 |
| GPIO | 4 x GPI + 4 x GPO |
| SATA PWR Output Con | 1 |
| Speaker Header | 0 |

| Watchdog Timer | |
|----------------|----------------------------------|
| Output | From Super I/O to drag RESETCON# |
| Interval | 256 segments, 0,1,2...255sec/min |

| Power Requirements | |
|--------------------|--|
| Input PWR | 12 / 19-36V phone jack DC-In |
| Power On | AT/ATX Supported AT : Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready |

| Environment | |
|-----------------------|------------|
| Operating Temperature | 0°C - 60°C |