



Key Features

- Intel® 8th Gen (Whiskey lake-U) Core™ MCP Processors
- Supports Dual Channel DDR4 SO-DIMM 2400 MHz, up to 32GB
- 2 x DisplayPort, 1 x LVDS
- 6 x USB 3.1, 2 x USB 2.0, 1 x SATA3, 4 x COM
- 2 x M.2 Key M, 1 x M.2 Key E
- 2 x Intel LAN
- 12V~36V or 12V DC-IN
- 1 x TPM 2.0 onboard IC (Option)

Specifications

Processor System

| | |
|-----------|---|
| Dimension | 3.5"SBC (5.8-in x 4.0-in) |
| CPU | Intel® 8 th Gen (Whiskey lake-U) Core™ MCP Processors - SBC-350P (i7-8665U, QC, 1.80GHz, 15 W) - SBC-350M (i5-8365U, QC, 1.60GHz, 15 W) - SBC-351V (i3-8145U, DC, 2.10GHz, 15W) |
| Chipset | SOC |

Expansion Slot

| | |
|-----------|---|
| PCIe | N/A |
| Mini-PCIe | N/A |
| M.2 | 1 x Key M (2242/2280) with PCIe x4 and SATA3 for SSD 1 x Key M (2242) with SATA3 for SSD 1 x Key E (2230) with PCIe x1, CNVI and USB 2.0 for Wireless |
| mSATA | N/A |

Memory

| | |
|------------|---------------------------|
| Technology | Dual Channel DDR4 2400MHz |
| Max. | 32GB |
| Socket | 2 x SO-DIMM |

Graphics

| | |
|---------------|--|
| VGA | N/A |
| LVDS | 1920 x 1200@60Hz |
| eDP | N/A |
| HDMI | N/A |
| DVI | N/A |
| DisplayPort | DisplayPort++ 1.2 with max resolution up to 4096 x 2304@60Hz |
| Multi Display | Triple Display |

Ethernet

| | |
|------------|------------------------------------|
| Interface | 10/100/1000 Mbps |
| Controller | 1 x Intel® I219LM, 1 x Intel® I210 |

Rear I/O

| | |
|-------------|-------------|
| VGA | N/A |
| DVI | N/A |
| HDMI | N/A |
| DisplayPort | 2 |
| Ethernet | 2 |
| USB | 4 x USB 3.1 |
| Audio Jack | N/A |
| Serial | N/A |
| PS/2 | N/A |

Internal Connector

| | |
|---------------------|--|
| USB | 2 x USB 2.0, 2 x USB 3.1 |
| LVDS | 1 |
| eDP | 0 |
| VGA | 0 |
| Serial | 1 x COM (RS232/422/485), 3 x COM (RS232) |
| SATA | 1 x SATA3 (6.0 Gb/s) |
| Parallel | N/A |
| GPIO | 4 x GPI, 4 x GPO |
| SATA PWR Output Con | 1 |
| Speaker Header | 1 |
| TPM | 1 x TPM 2.0 onboard IC (Option) |

Watchdog Timer

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

Power Requirements

| | |
|-----------|--|
| Input PWR | 12V~36V or 12V 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 |
| Storage Temperature | -40°C – 85°C |