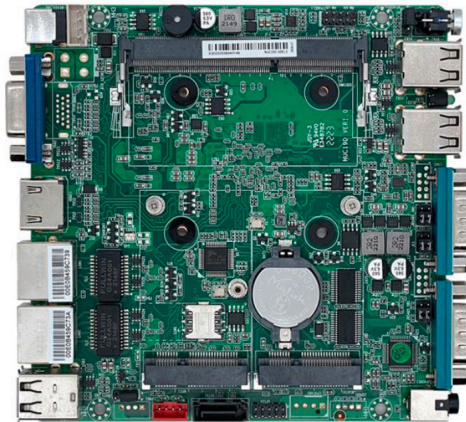


# SB-1019



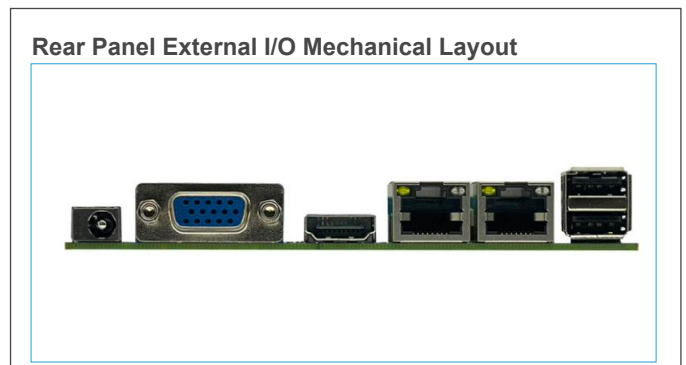
The actual appearance is subject to the final configuration.

## Specifications

|                                      |                                                                                                          |                                                                                             |                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------|
| <b>MODEL</b>                         | SB-1019                                                                                                  |                                                                                             |                                          |
| <b>Supported OS</b>                  | Windows 10 or Linux                                                                                      |                                                                                             |                                          |
| <b>CPU</b>                           | Processor                                                                                                | Intel® Trail-D Celeron J1900 2.0GHz                                                         |                                          |
| <b>RAM</b>                           | Type                                                                                                     | 1 x SO-DIMM , DDR4L 1.35V 1333/1600MHz Memory Maximum Support 8G                            |                                          |
| <b>Storage Devices</b>               | mSATA                                                                                                    | 1 x mSATA3.0 slot                                                                           |                                          |
|                                      | SATA                                                                                                     | 1 x 7pin SATA3.0 HDD connector,transmission speed 6Gbps                                     |                                          |
| <b>Graphics</b>                      | Model                                                                                                    | Intergrated Intel HD Graphics                                                               | On board Intel®UHD Graphics 600 graphics |
| <b>Display Connector</b>             | 2 x HDMI or HDMI+VGA, Support HDMI VGA display synchronously and asynchronously                          |                                                                                             |                                          |
| <b>LAN</b>                           | 1 or 2 or 4 optional Realtek RT8111E,1000M Ethernet controllers Support PXE Guidance,and Remote Wakening |                                                                                             |                                          |
| <b>Audio chip</b>                    | Realtek ALC897 7.1 HD Audio Decode Controller,support MIC/Line-out                                       |                                                                                             |                                          |
| <b>chip</b>                          | Mini-PCIe                                                                                                | 1 x Mini-PCIe slot,support WIFI/4G module                                                   |                                          |
| <b>INTERIOR PANNEL I/O INTERFACE</b> | USB                                                                                                      | 4 x USB3.0                                                                                  |                                          |
|                                      | COM                                                                                                      | 2 x DB9 RS232 serial ports (RS232 default, COM1 and COM2 can be changed to RS485 by jumper) |                                          |
|                                      | Audio                                                                                                    | 1 x Line out                                                                                | 1 x MIC-In two-in-one jack               |
|                                      | Other                                                                                                    | 1 x Hard disk LED light                                                                     | 1 x Power-on button                      |
| <b>REAR PANNEL I/O INTERFACE</b>     | HDMI                                                                                                     | 1x HDMI1.4 display port                                                                     |                                          |
|                                      | VGA                                                                                                      | 1 x JVGA1 (1*12pin), same signal as DB15                                                    |                                          |
|                                      | COM                                                                                                      | 1 x VGA display port (2 x HDMI1.4 or HDMI+VGA optional)                                     |                                          |
|                                      | USB                                                                                                      | 1 x USB 3.0 port, 1 x USB 2.0 port                                                          |                                          |
|                                      | Ethernet                                                                                                 | 2 x RJ-45 1000M Ethernet controllers (Can change one LAN to USB 2.0)                        |                                          |
|                                      | Power supply                                                                                             | 1 x 12V DC power input                                                                      |                                          |
| <b>BUILT-IN I/O INTERFACE</b>        | USB                                                                                                      | 1 x USB 2.0 1*4Pin (USB2.0 cannot use when you use 4G function)                             |                                          |
|                                      | COM                                                                                                      | 2 x COM port 2*5Pin (COM 1 to 4 optional)                                                   |                                          |
|                                      | ATX                                                                                                      | 1 x 4pin ATX power input connector                                                          |                                          |
|                                      | GPIO                                                                                                     | GPIO support 4 ways input output                                                            |                                          |
|                                      | Other                                                                                                    | 1 x Hard disk power supply connector                                                        |                                          |
|                                      |                                                                                                          | 1 x Front panel switch-on and LED light connector 2*5Pin                                    |                                          |

|                                         |                                            |                                              |
|-----------------------------------------|--------------------------------------------|----------------------------------------------|
| <b>Cooling</b>                          | Fanless, cooling by putting cooling fin    |                                              |
| <b>BIOS</b>                             | 64Mb Flash ROM                             |                                              |
| <b>Form Factor</b>                      | MINI-ITX (6 layers PCB)                    |                                              |
| <b>System Monitoring and Management</b> | Wake on LAN                                |                                              |
|                                         | System Power Management                    |                                              |
|                                         | Temperature management, voltage management |                                              |
|                                         | Fan speed monitoring                       |                                              |
| <b>Environment</b>                      | Operating Temperature                      | -20°C ~ 60°C                                 |
|                                         | Relative Humidity                          | 0% ~ 95% (relative humidity, non-condensing) |
|                                         | Dimensions                                 | 120(L) x 120(W) mm                           |
| <b>Certifications</b>                   | EMC                                        | CE, FCC, RoHS                                |

The actual appearance and dimensions are subject to the final configuration



## Processors Info & Available List

| CPU                          | Total Cores | Total Threads | Max Turbo Frequency | Processor Base Frequency | Cache                   | Bus Speed | TDP  | Memory Types |
|------------------------------|-------------|---------------|---------------------|--------------------------|-------------------------|-----------|------|--------------|
| Intel® Trail-D Celeron J1900 | 4           | 4             | 2.42GHz             | 2.0GHz                   | 2 MB Intel® Smart Cache | -         | 10 W | DDR3L 1333   |

## Packing List

| Default Items | Qty |
|---------------|-----|
| SB-1019       | 1   |

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