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| Product model | **SD890-306_N112L (N100)** |
| processor | **Integrated Intel®Alder Lake-N N100 3.4GHz quad-core quad-thread processor, TDP 6W, Compatible with the full range of Intel® Alder Lake-N cpus, customers can flexibly choose** |
| chipset | **SOC** |
| Internal memory | **1* SODIMM slot for a single channel of 3200MHz DDR4 memory (up to 16GB)** |
| display | **Integrated Intel® UHD Graphics core graphics card, support DirectX 12.1, OpenGL4.6** |
| | 1* VGA,1*HDMI1.4 interface,1* LVDS interface,1* EDP interface |
| network | **Note:LVDS and EDP interfaces are either via jump** |
| Storage | **1* RTL8111H Gigabit NIC, supports network wake up and PXE functions** |
| | **1* 7pin SATA3.0 hard disk interface, transmission rate up to 6Gbps** |
| | **1* MSATA slot, support SSD SSD,SSD transfer speed up to 6Gbps** |
| | **1 x M.2 slot, supporting the M.2 Key M 2280 PCIE X1 SSD** |
| Tone frequency | **Onboard ALC897 7.1+2 channel hi-fi audio controller with MIC/Line-out support. Power amplifier** |

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| | The power amplifier is recommended to use a 4Ω3W speaker |
| Expansion slot | **1 x M.2 slot, supporting the M.2 Key B 2242/2252 5G module** |
| | **1\* M.2 slot, supporting the M.2 Key E 2230 WIFI module** |
| I/O ports on the backplane | **1\* DC 12V power input port** |
| | The 1\* VGA display port is optional from the DB9 serial port |
| | 1\* HDMI2.0 display interface |
| | 3\* USB3.0 ports,1\* USB2.0 ports |
| | 1\* RJ45 Gigabit network port |
| | 1\* Line-out (green), 1\*MICK(red) |
| Built-in I/O interface | **1\* DC power interface, 1\*4pin support 12V power input and output** |
| | 1\* JVGA port 1\*12pin, same signal as DB15 |
| | 1\* LVDS interface, 2\*15pin, support dual channel 24BIT, |
| | 1\* EDP interface (yellow), 2\*15pin, with LVDS for one of two via jump |
| | 1\* screen backlight power supply interface 1\*6pin |
| | 6\* USB2.0 interface, 2\*5pin |
| | 2\* RS232 serial interface,COM1/2 support 9pin live function,COM2 support RS485/422 function,COM1 and external DB9 for one of two options |
| | 1\* hard drive power port 1\*4pin |
| | 1\* front audio interface 2\*5pin |
| | 1\* power amplifier interface 1\*4pin |
| | 1\* LPT interface 2\*13pin |
| | 1\* SIM card slot |
| | 1\* Front panel function button and indicator port 2\*5pin |
| Fan interface | **1\*4pin CPU intelligent fan interface,1\*4pin system fan interface** |
| GPIO | **Supports four input/output GPIO** |
| BIOS | **256Mb Flash ROM** |
| Guard dog | **Support hardware reset function (256 level, 0~255 seconds)** |
| Operating system | **Windows 10/Windows 11/Linux** |

| Power supply type | Adopts DC 12V power supply |
|---|---|
| Operating temperature | -10℃ to 60℃ |
| Storage temperature | -20℃ to 70℃ |
| Working humidity | 5%-95% relative humidity, no condensation |
| Size | 170mm * 170mm |