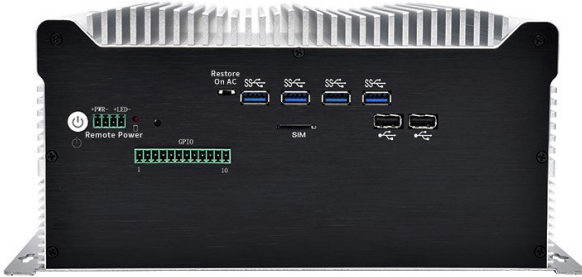


S602-6C3L2P



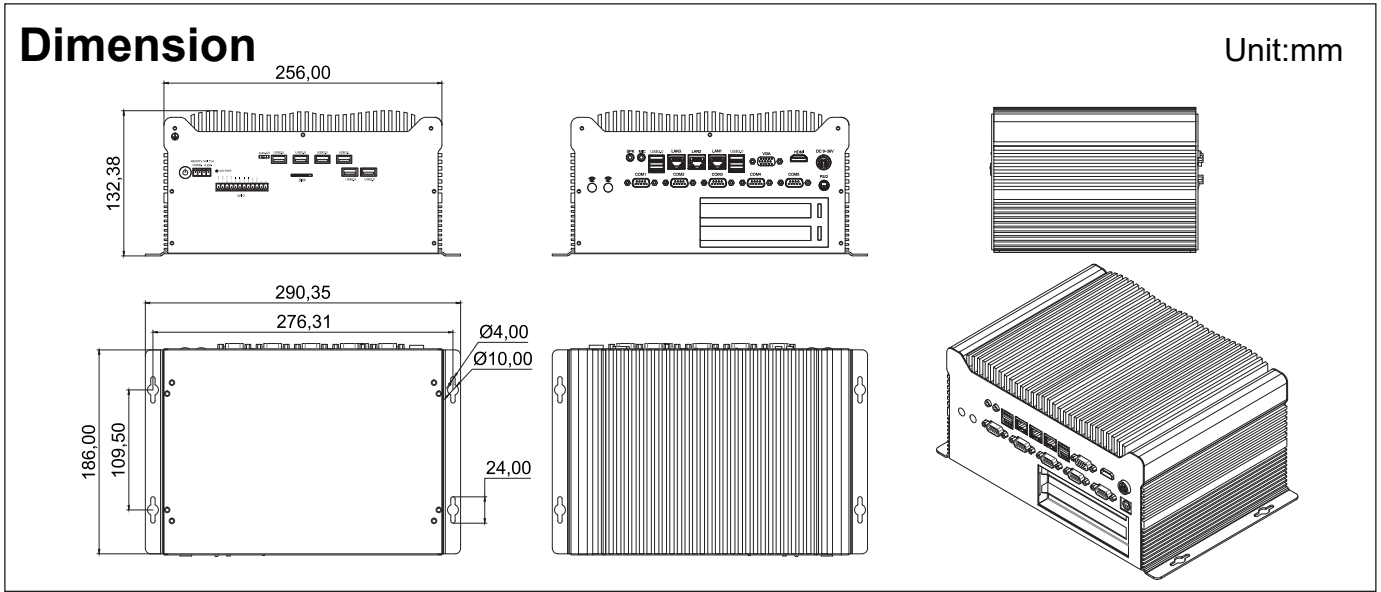
- Equipped with desktop-class high-performance CPU
- Full aluminum alloy anti-interference structure
- Modular parts design with strong scalability
- Fully enclosed with fanless cooling system
- Cable-free design for better vibration resistance
- Scientific and reasonable interface layout
- Double board design with diverse interfaces



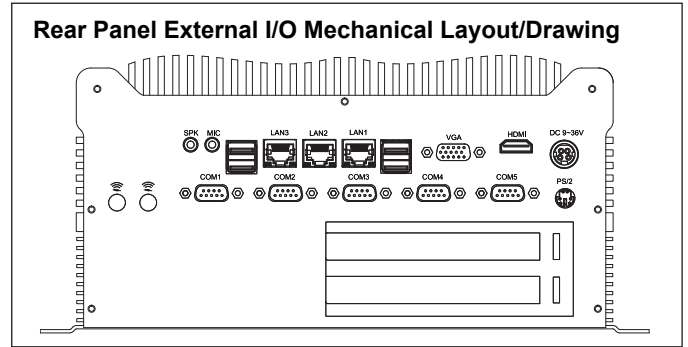
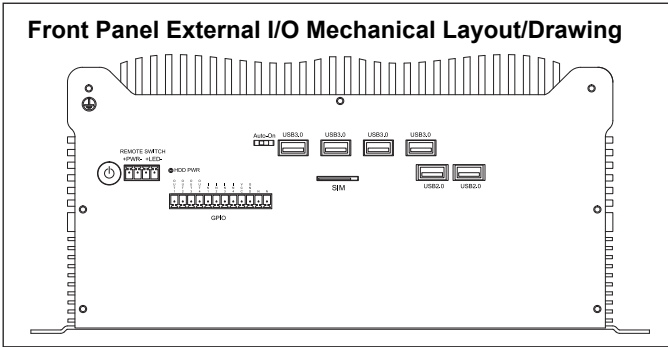
The actual appearance is subject to the final configuration.

Specifications

| | | | |
|---------------------------------|---|--|---------------------------------|
| Model | S602-6C3L2P | | |
| Supported OS | Win 7, Win 8, Win 10, Win 11, Linux (Ubuntu, Debian, Kali, CentOS, etc.); WES 7; Win 10 IoT | | |
| Chipset | Intel® Z370 Chipset | | |
| CPU | Processor Socket | Intel® Desktop Processors Socket LGA1151 | |
| | Series | 6th Gen. Intel® Core™ Processor | Intel® Celeron® G4900 Processor |
| | TDP | Up to 65W | 54W |
| | Graphic | Intel® HD Graphics 530 | Intel® UHD Graphics 610 |
| RAM | Type&Qty | 2* SO-DIMM Socket | 2* SO-DIMM Socket |
| | Frequency | DDR4-1866/2133 MHz | DDR4-2400 MHz |
| | Capacity | Up to 32GB | Up to 32GB |
| Storage Device | SATA | 1* 2.5" SATA3.0 Bay on board (6Gb/s); 3* SATA3.0 connectors (6Gb/s), Support RAID (0/1/5) | |
| | MSATA | 1* mSATA3.0 slot on board (6Gb/s) | |
| | M.2 | 1* M.2 (NGFF) 2280 M-key slot, support PCIe4 Gen.3 NVMe/ SATA3.0 SSD | |
| I/O Interface | COM | 4* RS232/485 with DB9 connector, switchable by jumper (COM1-4); 1* RS232 with DB9 connector (COM5); 1* RS232 header (COM6) | |
| | Ethernet | 3* Intel® i211 GbE LAN, RJ45 connector | |
| | USB | 8* USB 3.0; 2* USB2.0; 1* Internal USB2.0 | |
| | Video | 1* HDMI, Support 4096x2304@24Hz, (Optional 1* DP, Support 4096 x 2304@60Hz); 1* VGA, Support 1920x1200@60Hz; | |
| | Audio | 1* MIC, 1* SPK; With 5.1 channels HD Audio Codec Realtek ALC662 | |
| | SIM | 1* External SIM card slot connected to Mini-PCIe | |
| | Power Supply | 9V-36V DC; 1* 4-Pin DC Power Jack (Circular DIN Connectors, Full-Shield) | |
| Extended Capabilities | Additional Internal Interface | 1* 8-bit GPIO, Terminal Block (12-Pin, 3.81mm), 4-Inputs/4-Outputs, 0-5V Input Range 1* Terminal Block (4-Pin, 3.81mm Pitch) with Remote Switch and Power Indicator 1* PS/2 for keyboard/ mouse; 1* Auto-On Switch; 1* TPM header (2*10-pin) | |
| | | 1* PCIe x4+1* PCIe x16 or 1* PCI+1* PCIe x4 or 2* PCI or 1* PCIe x1+1* PCIe x4 or 1* PCI+1* PCIe x16; (PCIe Gen.3) | |
| | | 1* Full Size Mini-PCIe with SIM card slot; (PCIe+USB2.0); 1* M.2 2230 E-key Slot (Support WIFI+BT) | |
| Environment | Operating Temperature | -10 ~ 55 °C w/ 0.7m/s Airflow | |
| | Storage Temperature | -40 ~ 85 °C (-40~185 °F) | |
| | Relative Humidity | 40 °C @ 95%, Non-Condensing | |
| Physical Characteristics | Dimensions | 290.35* 132.38* 186 mm (W* H* D) | |
| | Net Weight | 4.55 KG | |
| Regulation | EMC | CE/FCC Class B, CCC | |
| | Safety | CE-LVD, RoHS, CCC | |



The actual appearance and dimensions are subject to the final configuration



Ordering Information

| SO-DIMM Socket | M.2 2280 M-key slot | mSATA3.0 Slot | SATA3.0 Connector | PCIe/PCI Expansion Slot | Full Size Mini-PCIe | M.2 2230 E-key Slot | Isolated RS232/ RS485 | Non-Isolated RS232 | RS232 Header | GbE LAN | | |
|----------------|---------------------|-----------------|-------------------|-------------------------|---------------------|---------------------|------------------------|--------------------|---------------|------------|----------------|--------------|
| 2 | 1 | 1 | 4 | 2 | 1 | 1 | 4 | 1 | 1 | 3 | | |
| USB3.0 | USB2.0 | Internal USB2.0 | HDMI Or DP | VGA | MIC | SPK | External SIM Card Slot | PS/2 | Remote Switch | 8-bit GPIO | Auto-On Switch | Power Supply |
| 8 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | DC 9-36V |

Processors Info & Available List

| CPU | Code Name | Total Cores | Total Threads | Max Turbo Frequency | Base Frequency | Cache | TDP | Memory Types | Integrated Graphics |
|-----------------------|-------------|-------------|---------------|---------------------|----------------|--------------------------|------|--------------|-------------------------|
| Intel® Core™ i3-6100 | Skylake | 2 | 4 | - | 3.70 GHz | 3 MB Intel® Smart Cache | 51 W | DDR4 | Intel® HD Graphics 530 |
| Intel® Core™ i5-6500 | Skylake | 4 | 4 | 3.60 GHz | 3.20 GHz | 6 MB Intel® Smart Cache | 65 W | DDR4 | Intel® HD Graphics 530 |
| Intel® Core™ i7-6700 | Skylake | 4 | 8 | 4.00 GHz | 3.40 GHz | 8 MB Intel® Smart Cache | 65 W | DDR4 | Intel® HD Graphics 530 |
| Intel® Celeron® G4900 | Coffee Lake | 2 | 2 | - | 3.10 GHz | 2 MB Intel® Smart Cache | 54 W | DDR4 | Intel® UHD Graphics 610 |
| Intel® Core™ i3-7100 | Kaby Lake | 2 | 4 | - | 3.90 GHz | 3 MB Intel® Smart Cache | 51 W | DDR4 | Intel® HD Graphics 630 |
| Intel® Core™ i5-7400 | Kaby Lake | 2 | 4 | 3.50 GHz | 3.00 GHz | 6 MB Intel® Smart Cache | 65 W | DDR4 | Intel® HD Graphics 630 |
| Intel® Core™ i7-7700 | Kaby Lake | 4 | 8 | 4.20 GHz | 3.60 GHz | 8 MB Intel® Smart Cache | 65 W | DDR4 | Intel® HD Graphics 630 |
| Intel® Core™ i3-8100 | Coffee Lake | 4 | 4 | - | 3.60 GHz | 6 MB Intel® Smart Cache | 65 W | DDR4 | Intel® UHD Graphics 630 |
| Intel® Core™ i5-8500 | Coffee Lake | 6 | 6 | 4.10 GHz | 3.00 GHz | 9 MB Intel® Smart Cache | 65 W | DDR4 | Intel® UHD Graphics 630 |
| Intel® Core™ i7-8700 | Coffee Lake | 6 | 12 | 4.60 GHz | 3.20 GHz | 12 MB Intel® Smart Cache | 65 W | DDR4 | Intel® UHD Graphics 630 |
| Intel® Core™ i3-9300 | Coffee Lake | 4 | 4 | 4.30 GHz | 3.70 GHz | 8 MB Intel® Smart Cache | 62 W | DDR4 | Intel® UHD Graphics 630 |
| Intel® Core™ i5-9400 | Coffee Lake | 6 | 6 | 4.10 GHz | 2.90 GHz | 9 MB Intel® Smart Cache | 65 W | DDR4 | Intel® UHD Graphics 630 |
| Intel® Core™ i7-9700 | Coffee Lake | 8 | 8 | 4.70 GHz | 3.00 GHz | 12 MB Intel® Smart Cache | 65 W | DDR4 | Intel® UHD Graphics 630 |
| Intel® Core™ i9-9900 | Coffee Lake | 8 | 16 | 5.00 GHz | 3.10 GHz | 16 MB Intel® Smart Cache | 65 W | DDR4 | Intel® UHD Graphics 630 |

All products and company name listed are trademarks or trade names of their respective companies.

!!! Note: For more interface configuration or available processors, please consult the sales.

Packing list

| Default Items | Qty |
|-------------------------|-----|
| S602-6C3L2P Unit | 1 |
| AC-to-DC Adapter | 1 |
| Power cable 3-pin 150cm | 1 |

Options for default items

| Optional Items | Qty |
|-----------------------------------|-----|
| Power cable 3-pin 150cm, USA type | - |
| Power cable 3-pin 150cm, EU type | - |
| Power cable 3-pin 150cm, UK type | - |
| Swappable hard-drive bracket kit | - |

Optional accessories or internal modules for unit

| Optional Items | Max Qty | Description |
|---|---------|---|
| AI Acceleration Card | 2 | 26 TOPS, Connected by M.2 interface |
| Isolated RS-232 | 1 | DB9 or Phoenix Terminal connector, connected by header |
| Non-Isolated RS-232 | 1 | DB9 or Phoenix Terminal connector, connected by header |
| Non-Isolated RS-422 | 1 | DB9 or Phoenix Terminal connector, connected by header with a transform module |
| Non-Isolated RS-485 | 1 | DB9 or Phoenix Terminal connector, connected by header with a transform module |
| Isolated 8-bit GPIO, 9-24V | 1 | Phoenix Terminal connector, connected by header |
| Isolated 8-bit GPIO with current loading, 9-26V | 1 | Digital signal, Phoenix Terminal connector, connected by non-standard M.2 interface |
| Isolated 15-bit GPIO, 0-5V | 1 | Digital signal, Phoenix Terminal connector, connected by non-standard M.2 interface |
| Isolated 15-bit GPIO with 7-in & 8-out, 12-24V | 1 | Digital signal, Phoenix Terminal connector, connected by non-standard M.2 interface |
| 4G Module | 1 | Connected by Mini-PCIe interface |
| WiFi Module without AP mode | 1 | Connected by Mini-PCIe interface, M.2 interface or internal USB interface |
| WiFi Module with AP mode | 1 | Connected by Mini-PCIe interface |
| Dual channel CAN-Bus Module | 2 | Connected by Mini-PCIe/M.2 interface |
| Dual/Quad channel CAN-Bus Module | 1 | Connected by PCIe Interface |
| Single GbE PoE LAN Module | 1 | Connected by Mini-PCIe interface |
| Dual GbE PoE LAN Module | 1 | Connected by M.2 Interface |
| Quad GbE PoE LAN Module | 2 | Connected by PCIe Interface |

!! Note: As this product has expansion slots, please consult sales for the specific maximum number of expandable interfaces.