



INDUSTRIAL COMPUTER

# RCO-1000-J1900-30G-2P

Industrial Computer with Intel® Celeron® J1900 Processor, Dual PoE, Power Ignition

## Features

- Intel® Celeron® J1900, Quad Core, 2.0GHz
- 1x 204-pin DDR3L SODIMM. max up to 8GB
- Dual independent display supported by 1x DVI-I
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- 2x Isolated GbE RJ45 with PoE function
- 1x 2.5" SATA HDD bay, 1x mSATA, 2x SIM socket
- 1x full-size mini PCIe for communication or expansion modules
- 3x Universal I/O Bracket (For mini PCIe application)
- 2x RS-232/422/485, 1x USB 3.0, 3x USB 2.0
- 9 to 48VDC wide range power input supporting AT/ATX mode
- -40°C to 70°C extended operating temperature
- Power ignition management

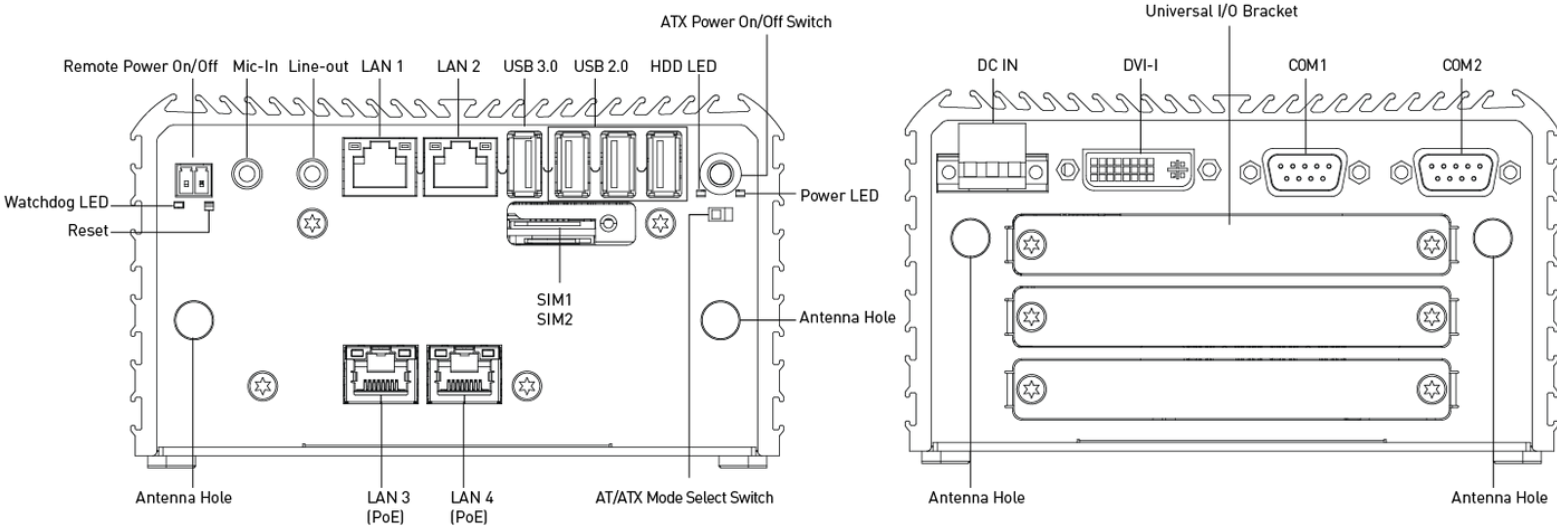


## Specifications

| System                |   | Storage Temperature | -40 °C ~ 85 °C  |
|-----------------------|---|---------------------|---|
| Processor             | Intel® Celeron® J1900, Quad Core, 2MB Cache, 2.0 GHz  | Relative Humidity   | 10% to 95% (non-condensing)   |
| System Chipset        | SoC integrated  | Vibration           | 5 Grms, 5 ~ 500 Hz, 0.5 hr/axis (SSD) 1 Grms, 5 ~ 500 Hz, 0.5 hr/axis (HDD) |
| LAN Chipset           | GbE1 & GbE2: Intel® I210-AT<br>(Support Wake-on-LAN and PXE)  | Shock               | 50G, half-sine, 11 ms (SSD)   |
| Audio Codec           | Realtek ALC888S   | Physical            |   |
| System Memory         | 1x 204-Pin DDR3L 1066/1333MHz SODIMM.<br>Max up to 8GB  | Dimensions          | 150 (W) x 105(D) x 83(H) mm   |
| BIOS                  | AMI 64Mbit SPI BIOS   | Weights             | 1.31 kg   |
| Watchdog              | Software Programmable Supports 1~255 Sec. System Reset  | Construction        | Extruded aluminum with heavy duty metal                                     |
| Display               |   | Mounting Options    | Wall Mounting<br>Side / VESA / DIN-Rail Mounting (optional)                 |
| DVI                   | 1x DVI-I  |                     |   |
| Multiple Display      | Dual Display  |                     |   |
| VGA                   | Yes (by optional split cable)   |                     |   |
| Storage               |   |                     |   |
| mSATA                 | 1x mSATA (shared by 1x Mini PCIe)   |                     |   |
| SIM Socket            | 2x External SIM socket  |                     |   |
| SSD/HDD               | 1x Internal 2.5" SATA HDD Bay   |                     |   |
| Expansion             |   |                     |   |
| Mini PCIe             | 1x Full-size Mini PCIe  |                     |   |
| I/O                   |   |                     |   |
| Audio                 | 1x Mic-in, 1x Line-out  |                     |   |
| COM                   | 2x RS-232/422/485   |                     |   |
| LAN                   | 2x GbE RJ45   |                     |   |
| PoE                   | 2x IEEE 802.3af (15.4W) Isolated GbE RJ45   |                     |   |
| Universal I/O Bracket | 3x Universal I/O Bracket (For Mini PCIe application)  |                     |   |
| USB                   | 1x USB 3.0, 3x USB 2.0  |                     |   |
| Others                | 4x WiFi Antenna Holes<br>1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off                  |                     |   |
| Operating System      |   |                     |   |
| Windows               | Windows 10, Windows 8.1, WES8.1,<br>Windows 7, WES7   |                     |   |
| Linux                 | Linux kernel 3.X  |                     |   |
| Power                 |   |                     |   |
| Power Adapter         | Optional AC/DC 12V/5A, 60W  |                     |   |
| Power Mode            | AT/ATX selectable   |                     |   |
| Power Supply Voltage  | 9 ~ 48 VDC  |                     |   |
| Power Connector       | 3-pin Terminal Block  |                     |   |
| Power Protection      | Over-Voltage Protection (OVP)<br>Over-Current Protection (OCP)<br>Reverse Polarity Protection (RPP) |                     |   |
| Environment           |   |                     |   |
| Operating Temperature | -25 °C ~ 70 °C (-13 °F ~ 158 °F )   |                     |   |

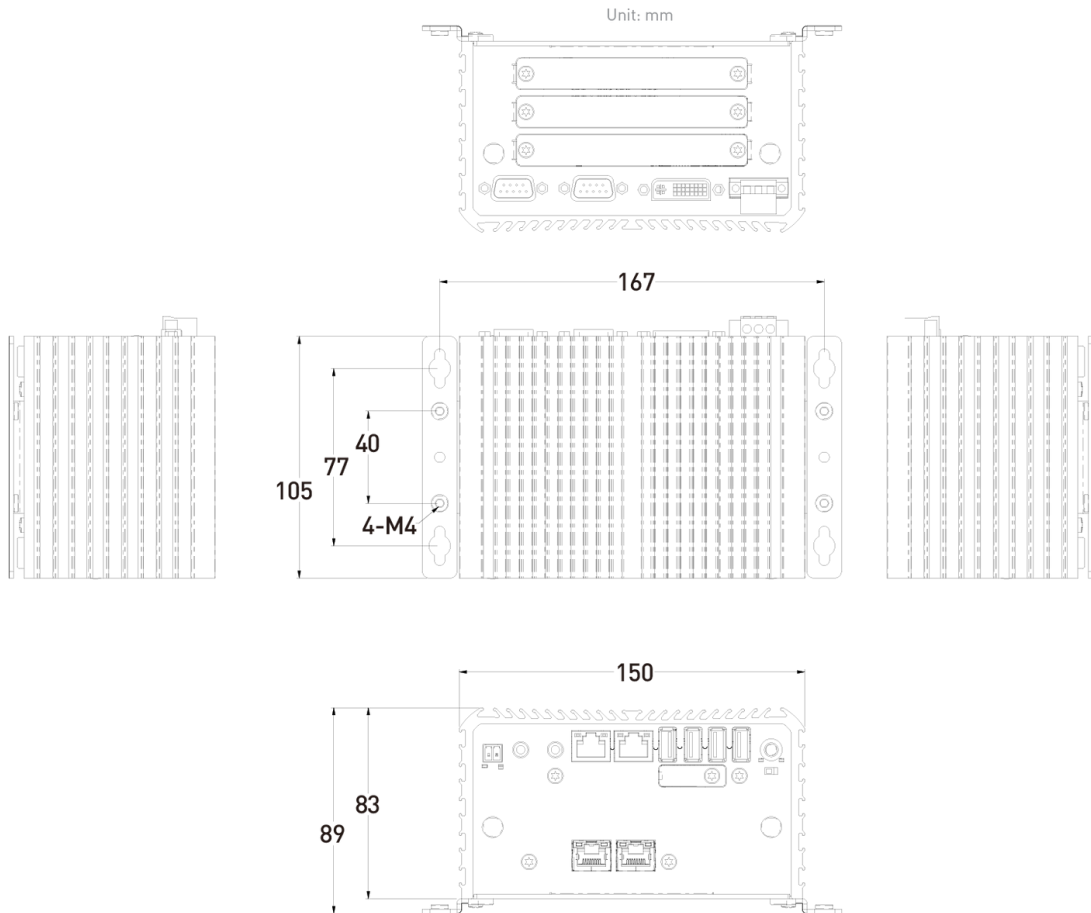
\* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm



## Available Models

| Model No.             | Description  |
|-----------------------|--|
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## Optional Accessories

| Model No.   | Description  |
|-------------|--|
| 1-E09A06008 | Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch |
| 999930      | Power Cord, 3-pin US Type, 180cm                                   |
| 1-TPCD00002 | Power Cord, European Type, 180cm                                   |
| 1-TPCD00001 | Power Cord, 3-pin UK Type, 180cm                                   |

## Packing List

- 1x RCO-1000-J1900-30G-2P
- 1x Utility DVD Driver
- 1x Wall Mount Kit
- 1x Accessory Kit
- 1x DVI to VGA Adapter

## Exports And Tariff Codes

|           |              |
|-----------|--------------|
| ECCN      | 5A992.c      |
| HTS       | 8471.50.0150 |
| ScheduleB | 84.71        |