

### Features:

- Intel® Celeron® J1900
- 1\*DDR3L SO-DIMM slot, Max Capacity 8GB
- 3\*Intel®GbE
- 4\*USB Type-A interface
- 1\*HDMI slot
- WiFi/4G wireless expansion
- Support desktop, wall mounted, and DIN rails
- Fanless passive cooling
- Compact size



Remote Management



Condition Monitoring



Remote Operation And Maintenance



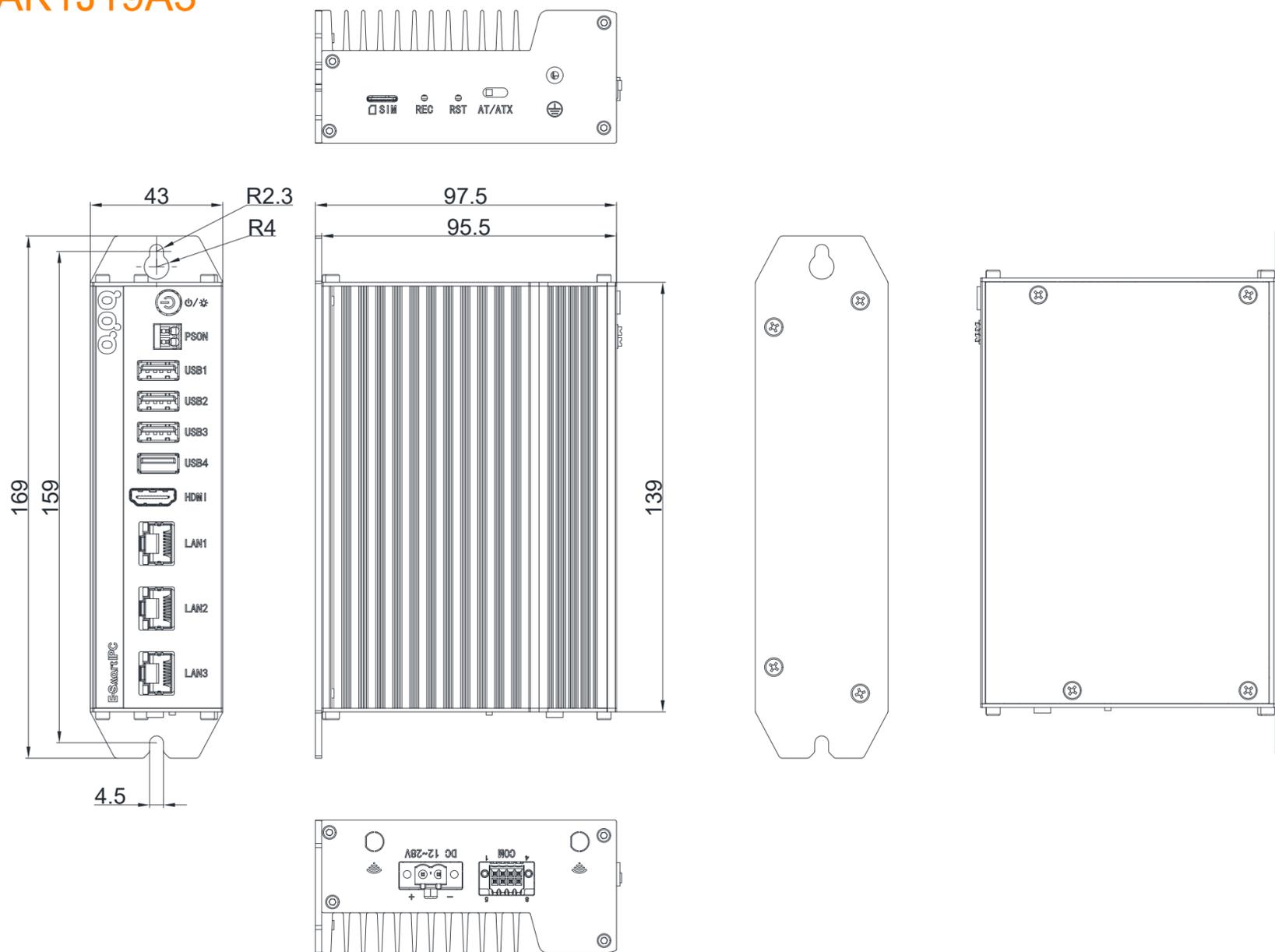
Safety Control

## Product Specification

| 型号                     |                                       | AK1J19A3   |
|------------------------|---------------------------------------|--|
| CPU                    | CPU                                   | Intel® Celeron® Processor J1900  |
|                        | Basic Frequency                       | 2.0 GHz  |
|                        | Max Turbo Frequency                   | 2.4 GHz  |
|                        | Cache                                 | 2MB  |
|                        | Kernel                                | 4/4  |
|                        | Chip                                  | SOC  |
|                        | BIOS                                  | AMI UEFI BIOS  |
| Memory                 | Socket                                | 1 * DDR3L SO-DIMM slot, Frequency1333MHz   |
|                        | Max Capacity                          | 8GB  |
| Display                | Controller                            | Intel® UHD Graphics  |
| Ethernet               | Controller                            | 3 * Intel® i210-AT network chip (10/100/1000 Mbps)   |
| Storage                | M.2                                   | 1 * M.2 Key-M (SATA2.0 协议, 2280)   |
| Expansion              | Mini PCIe                             | 1 * Mini PCIe (PCIe x1+USB 2.0+1*SATA2.0, with SIM Card Slot)  |
| Front I/O              | USB                                   | 1 * USB3.0 (Type-A)<br>3 * USB2.0 (Type-A)   |
|                        | Network Interface                     | 3 * RJ45 interfaces  |
|                        | Display                               | 1 * HDMI slot (resolution up to1920*1200 @ 60Hz)   |
|                        | Button                                | 1 *power button (include LED)<br>1*External Power On/Off Button Connector                                      |
| Side I/O               | DIP Switch                            | 1 * AT/ATX switch  |
|                        | Button                                | 1 * Reset button<br>1 *System Reset button   |
|                        | SIM                                   | 1 * Nano SIM bayonet socket  |
|                        | Power Source                          | 1 * Power input interface (12~28V, 2P, P=5.08mm)   |
|                        | Interface                             | 2 * RS232/485  |
| Power Supply           | Type                                  | DC   |
|                        | Input Voltage                         | 12~28V   |
|                        | Socket                                | 1 * 2Pin Power input socket  |
|                        | RTC Battery                           | CR2032 Battery   |
| OS Support             | Windows                               | Windows 7/10   |
|                        | Linux                                 | Linux  |
| Watchdog               | Input                                 | Restart System   |
|                        | Interval                              | 1~255 seconds  |
| Construction           | Material                              | Heatsink:Aluminum Alloy<br>Upper/Lower Baffles: Galvanized Steel Sheet<br>Bottom Cover: Galvanized Steel Sheet |
|                        | Size                                  | 139mm(L) * 95.5mm(W) * 43mm(H)   |
|                        | Mounting Method                       | Wall-mounted, Rail-mounted, Desktop  |
| Industrial Environment | Cooling System                        | Fanless passive cooling  |
|                        | Operation Temperature                 | -20~60°C   |
|                        | Storage Temperature                   | -40~80°C   |
|                        | Humidity                              | 5 to 90% RH  |
|                        | Vibration                             | IEC 60068-2-64 (3Grms@5~500Hz, random, 1hr/axis)   |
| Material               | IEC 60068-2-27 (30G, half sine, 11ms) |  |

## Product Size

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## Product I/O

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