

## AVS-301

Intel Celeron compact fanless industrial vision system

Industrial Panel PC

HMI Controller

Industrial  
Display Monitor

Machine Vision



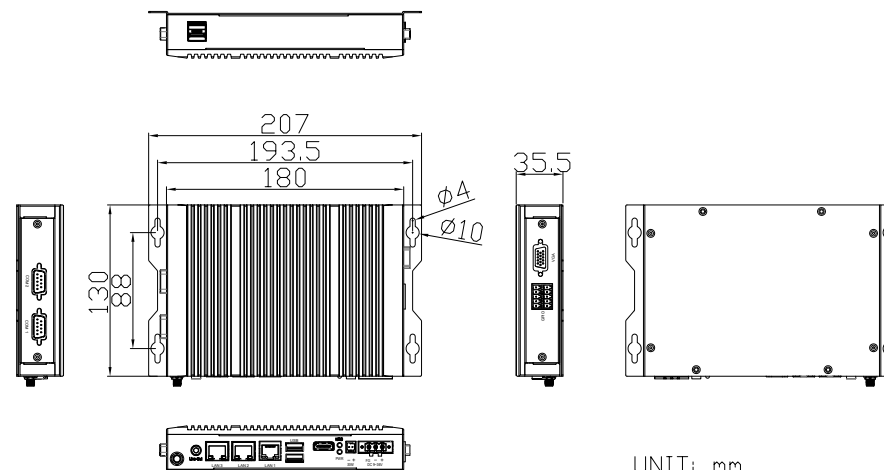
### Features

- Intel Celeron J1900 Processor (2M, Cache 2.00GHz)
- 1 x SO-DIMM Socket, up to 8GB DDR3L support
- 3 x LAN, 3 x USB2.0, 1 x USB3.0, 1 x USB2.0
- 1 x mSATA for SSD storage, 1 x SATAII for HDD
- Compound Mounting Design with wall mount kit
- DC 9-36V wide voltage input
- Rugged, Fan-less, Compact Design

### Specifications

| System          |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| USB             | Onboard Intel Celeron J1900 Processor (2M, Cache 2.00GHz)                       |
| System Chipset  | SoC                                                                             |
| Memory          | 1 x 204-pin SO-DIMM DDR3L 1333MHz, up to 8GB                                    |
| External I/O    |                                                                                 |
| Super I/O       | Nuvoton NCT6106D                                                                |
| USB             | 1 x USB 3.0 (type A)<br>3 x USB 2.0 (type A)<br>1 x USB 2.0 (type A) (Internal) |
| Serial/Parallel | 1 x RS232/RS422/RS485, DB9 (Default RS-232)<br>1 x RS232, DB9                   |
| Audio           | 1 x Line out                                                                    |
| LAN             | 3 x GbE ports by RJ-45 with intel I210AT                                        |
| Digitl I/O      | 1 x 8-bit GPIO (4 x DI, 4 x DO)                                                 |
| Display         |                                                                                 |
| Controller      | Integrated Intel HD Graphics 688 / 854 MHz(J1900)                               |
| HDMI            | 1 x HDMI                                                                        |
| VGA             | 1 x VGA, DB15                                                                   |
| Resolution      | Up to 1920 x 1200 for HDMI<br>Up to 1920 x 1200 for VGA                         |
| Storage Space   |                                                                                 |
| HDD             | 1 x 2.5" SATA2 HDD/SSD bay<br>1 x mSATA                                         |
| Expansion       |                                                                                 |
| Expansion slot  | 1 x Full-size Mini PCIe onboard                                                 |
| Power           |                                                                                 |
| Power Input     | DC 9~36V                                                                        |
| Power Connector | 1 x 3-pin Power input connector<br>1 x 2-pin Power switch                       |
| Mechanical      |                                                                                 |
| Color           | Black housing, TITANIUM GRAY Heat-sink                                          |
| Construction    | Aluminum Alloy Heat-sink Fin Enclosure                                          |
| Mounting        | Compound with Wall-mount                                                        |
| Dimensions      | 207 x 130 x 35.5 mm                                                             |
| Net Weight      | 0.95 Kg                                                                         |

### Dimensions



UNIT: mm  
Tolerance: ±0.5

| Environmental            |                                             |
|--------------------------|---------------------------------------------|
| Operating Temperature    | -20°C~70°C                                  |
| Storage Temperature      | -40°C~85°C                                  |
| Storage Humidity         | 10 to 90% @ 40°C, non-condensing, operating |
| Certificate              | CE/FCC Class A                              |
| Operating System Support |                                             |
| Win10, Linux             |                                             |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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