# AVS-520

9th Gen. Intel Core i7/i5/i3 Processor Machine Vision Application System

Industrial Panel PC | HMI Cotroller | Industrial Display Monitor | Machine Vision

## Features

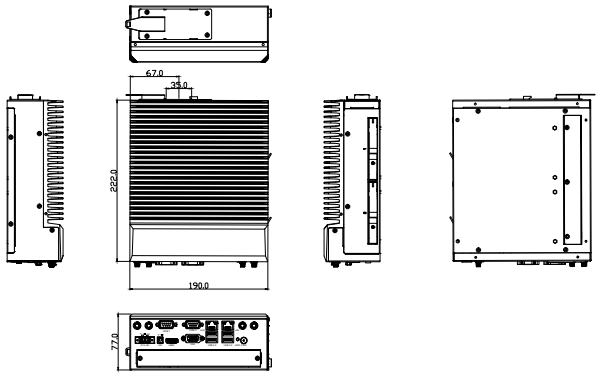
- Vertical System for Machine Vision
- 9th Gen. Intel Core i7/i5/i3 Processors
- Support with DDR4 (2666MHz) SO-DIMM up to 64GB
- Removable Drive-bays
- Support extensive GPU Card(75W) expansion
- CPU(35W) Fan-less Design and GPU Card Expansion with Smart Fan support
- Flexible expansion features through I/O module design

## Specifications

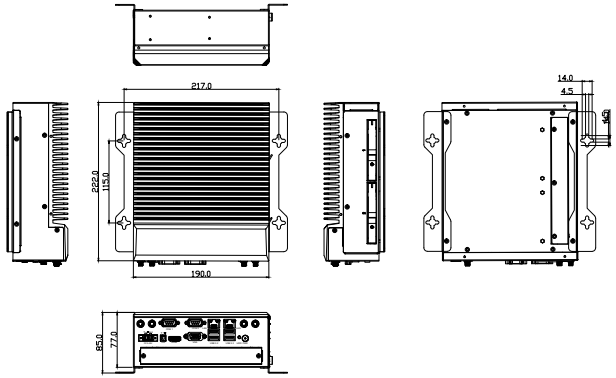
| | |
|---|---|
| **System** | |
| CPU | 9th Gen. Intel Core i7/i5/i3 Processor |
| System Chipset | Q370 |
| Memory | 2 x 260-pin DDR4 SO-DIMM memory, up to 64GB |
| **IO Port** | |
| USB | 4 x USB 3.2 Gen1 type A<br>1 x internal USB2.0 Type A for dongle |
| Serial/Parallel | 1 x RS-232/422/485 DB-9 (COM1, default RS-232)<br>1 x RS-232 DB-9 (COM2) |
| Graph | 1 x VGA<br>1 x HDMI |
| LAN | 2 x GbE LAN, RJ-45 by intel I210(I211)AT and i219LM controller |
| Power | 1 x 3-pin DC power input terminal block<br>1 x 2-pin power switch<br>1 x Power button with light |
| **Storage Space** | |
| HDD | 2 x 2.5" SATA3 HDD/SSD , Easy-swappable HDD tray |
| **Expansion** | |
| On Board Expansion Bus | 1 x Full size Mini-PCIe slot<br>1 x M.2 M key 2280/2242 support NVMe |
| **Power** | |
| Power Input | DC 9~36V |
| Power Consumption | Max: 150W |
| **Mechanical** | |
| Construction | Plating Titanium Gray Aluminum Heatsink and Black Steel Chassis |
| Mounting | Wall Mount (default) & Din Rail (option) |
| Dimensions | 222 x 190 x 77 mm |
| Net Weight | 3.4Kg |
| **Environmental** | |
| Operating Temperature | -20˚C~60˚C(for i3/i5 model) / -20˚C~50˚C (for i7 model) |
| Storage Temperature | -40˚C~85˚C |
| Storage Humidity | 10 to 90%@ 40˚C, non-condensing |
| Vibration | 1G / 5 ~ 500Hz (Random) / Operation |
| Shock | 15G peak acceleration(11 msec. duration)/operation |
| Drop | 92cm(1 Corner, 3 Edge, 6 Surface) |
| Certificate | Meet CE/FCC Class A |
| **Operating System Support** | |
| Win10 IoT, Windows 11, Linux Kernel 4.15 (Ubuntu 16.04.4) | |

## Dimensions

### Din Rail




### Wall Mount

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Machine Vision

# 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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