

Fanless High Performance Box PC AVS-600, Intel® Core™ i3 / i5 / i7 of the 9th generation / Intel® Xeon® E-2278GEL processor



- The most demanding applications
- Video interfaces: HDMI, VGA
- 4 x DI, 4 x DO
- 4 x 2.5" SATA3 HDD/SSD, 2 x quick-change bay
- Flexible input voltage 12 VDC to 36 VDC
- Various Windows versions, e.g. Win 10 IOT 2019 LTSC

<https://www.wachendorff-prozesstechnik.de/en/AVS-600>

Description

The AVS series can be equipped with anything from an extremely energy-efficient Intel® Celeron® J1900 processor (2.42 GHz) to a 9th generation i7 / Intel® Xeon® E-2278GE processor (4.70 GHz). The AVS series from Apex is a flexible and compact system family with high expandability and outstanding performance. It is ideal for machine vision and machine automation applications. All PCs in the AVS series have expansion slots in the form of Mini-PCIe, PCIe-16 or M-2 interfaces. The AVS-300 series represents the most compact group within the AVS series. Within this, the AVS-313 is ideal for lighting control due to the 32 integrated GPIOs and additional special 4 DI (trigger input) / 4 DO (light control). Devices in the AVS-500 series are characterized by their particularly extensive expandability and, in addition to the options already mentioned, offer easily accessible PCIe and 2.5" HDD/SSD slots. There are also variants with integrated GPIOs for lighting control. The IPC AVS-600 combines all of the above functions and expansion options and is the top-of-the-range box PC in the AVS series.

Product details

Power supply:	9 VDC to 36 VDC
Processor:	Intel® Core™ i3-9100E processor (6M cache, 3.70 GHz) Intel® Core™ i3-9100TE processor (6M cache, 3.20 GHz) Intel® Core™ i5-9500E processor (9M cache, 4.20 GHz) Intel® Core™ i5-9500TE processor (9M cache, 3.60 GHz) Intel® Core™ i7-9700E processor (12M cache, 4.40 GHz) Intel® Core™ i7-9700TE processor (12M cache, 3.80 GHz) Intel® Xeon® E-2278GEL processor (16M cache, 3.90 GHz)
RAM:	Optional 8 GB / 16 GB / 64 GB DDR4 SO-DIMM
SSD/HDD:	2 x 2.5" SATA2 HDD/SSD quick-release bay

Interfaces:	USB: 4 x USB 3.1 Gen.1 (Type A) 2 x USB 2.0 (Type A) 1 x USB 2.0 (Internal Type A for dongle) Serial: 2 x RS-232/422/485 (COM1, COM2, DB9, default RS-232) Ethernet: 2 x GbE LAN (RJ-45) Power supply: Plug-in 3-pin terminal strip On/off switch: optional plug-in 2-pin terminal strip, see IPC_DIO_2P accessories GPIO: 8 x GPIO (4 x in, 4 x out) Audio: 1 x line-out 1 x mic-in Video: 1 x DP 1.2 port, 1 x HDMI
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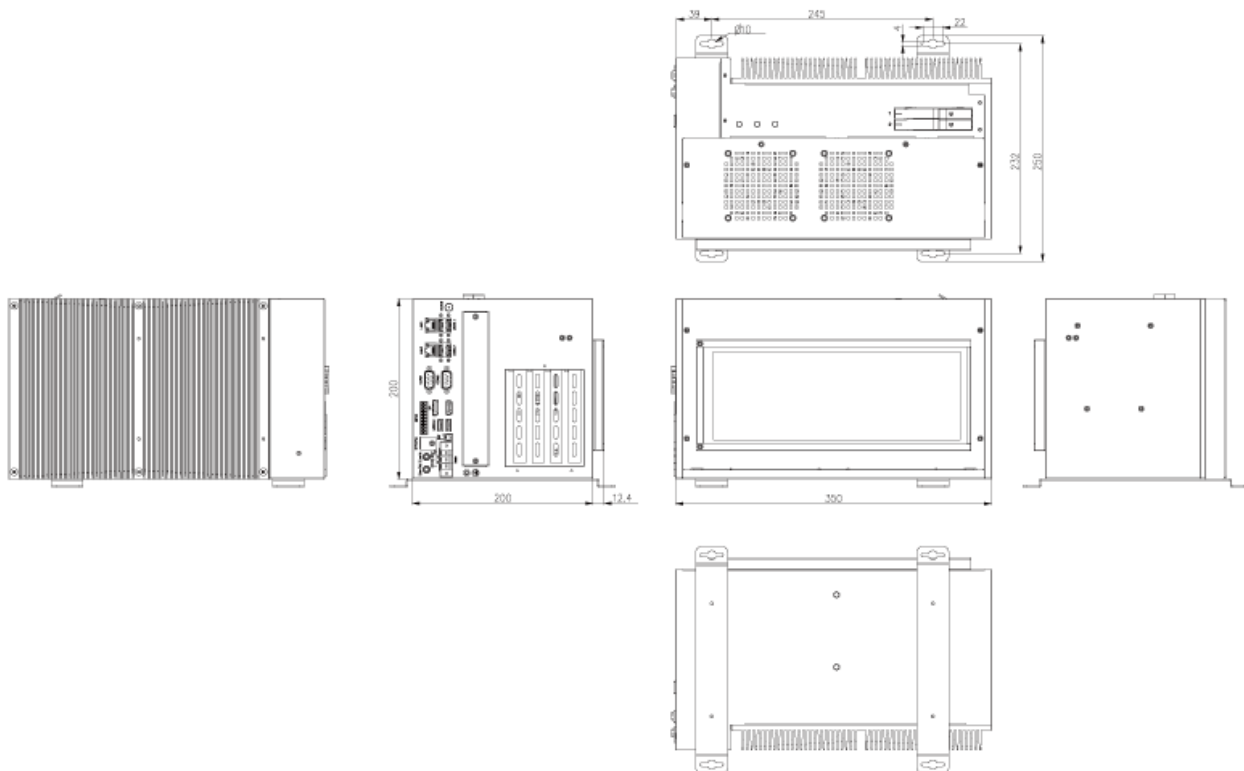
Interfaces Extension module:	-
Expansion slots:	2 x 2.5" SATA3 HDD/SSD with removable drive-bays 2 x 2.5" SATA3 HDD/SSD with internal drive-bays 2 x full-size mini PCIe slots 1 x micro SIM socket 1 x PCIe-4 in x8 slot (slot #1, GEN.3) 1 x PCIe-4 in x8 slot (slot #2, GEN.3) 1 x PCIe-16 (slot #3, GEN.3) MAX. Power Support 250W

Housing:	Black metal housing with aluminum heat sink
Assembly:	Wall mounting Top-hat rail (optional)
Protection class:	IP30
Weight:	approx. 7 kg
Ambient conditions:	Operating temperature: - 20°C to 60°C (i3/i5 model) - 20°C to 50°C (i7 model) Storage temperature: - 40 to 85 °C Humidity: 10 % to 90 %.rH, non-condensing"
Certifications:	CE / FCC Class A
Operating systems:	Windows® 10 IoT Windows® 11 IoT Linux

Scope of delivery:	Device
Customs tariff number:	84715000
Manufacturer:	Apex Technology Inc.

Drawings

Dimensions (mm):





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