AVS-310 fanless box PC, Intel® Celeron® J1900 processor

- Light to medium applications
- Video interfaces: HDMI, VGA
- Optional 4 x DI, 4 x DO
- Input voltage 24 VDC
- Various Windows versions, e.g. Win 10 IOT 2019 LTSC

https://www.wachendorff-prozesstechnik.de/en/AVS-310

Description

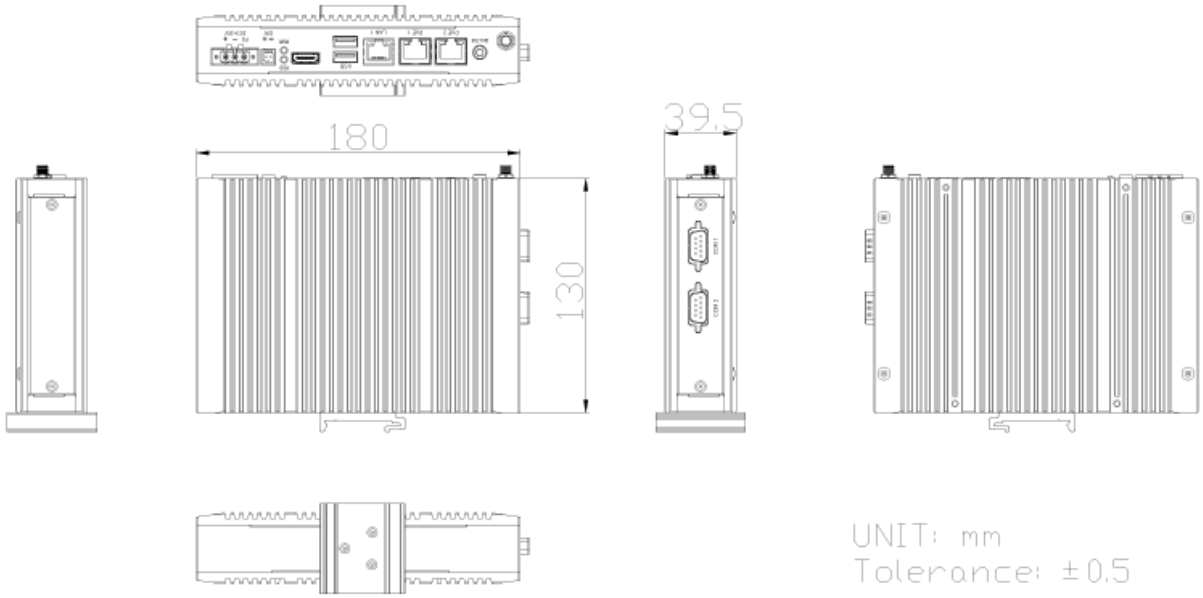
The AVS series can be equipped with anything from an extremely energy-efficient Intel® Celeron® J1900 processor (2.42 GHz) to a 9th generation i7 / Intel® Xeon® E-2278GE processor (4.70 GHz).
The AVS series from Aplex is a flexible and compact system family with high expandability and outstanding performance. 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 controal). 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:	24 VDC
Processor:	Intel® Celeron® J1900 processor (2M cache, 2.42 GHz)
RAM:	Optional 4 GB or 8 GB DDR3L 1333MHz SO-DIMM
SSD/HDD:	1 x 2.5" SATA2 HDD/SSD bay 1 x mSATA
Interfaces:	USB: 1 x USB 3.0 (type A) 1 x USB 2.0 (type A, Internal) 1 x USB 2.0 (type A) Serial: 1 x RS485/RS232/RS422, DB9 (COM1) 1 x RS232, DB9 (COM2) Ethernet: 1x GbE LAN RJ-45 by intel i210AT(i211AT) controller Power supply: Plug-in 3-pin terminal strip On/off switch: optional plug-in 2-pin terminal strip, see accessories IPC_DIO_2P GIPO: 4 x DI, 4 x DO (optional) Audio: 1 x line out Video: Integrated Intel HD Graphics 688/854 MHz(J1900) 1 x VGA up to 1920 x 1200 1 x HDMI up to 1920 x 1200
Interfaces Extension module:	-
Expansion slots:	1 x 2.5" SATA2 HDD/SSD bay 1 x mSATA 1 x mini PCIe slot
Housing:	Black metal housing with aluminum heat sink
Assembly:	Wall mounting
Protection class:	IP30
Weight:	approx. 1.85 kg
Ambient conditions:	Operating temperature: -20°C to 70°C Storage temperature: -40 to 85°C Humidity: 10% to 90%.rH, non-condensing
Certifications:	CE / FCC Class A
Operating systems:	Windows® 10 IoT Linux
Scope of delivery:	Device
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

Drawings

Dimensions (mm):



WACHENDORFF
Prozesstechnik GmbH & Co. KG

Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de