High-performance Box-PC AVS-530QL
Intel® Core™ i3/i5/i7/i9 processors of the
12th, 13th and 14th generation

- For demanding to high-performance industrial applications
- HDMI 2.0a, DisplayPort 1.4a
- 9 V DC to 36 V DC
- Windows 10 IoT LTSC, Windows 11 IoT LTSC

https://www.wachendorff-prozesstechnik.de/en/avs-530ql

Description

The AVS-530QL series is based on Intel® Core™ i3/i5/i7/i9 processors of the 12th, 13th and 14th generation and offers a fanless design for effective heat dissipation, even in demanding environments. The chassis is made of titanium anodized aluminum heatsink and black steel chassis, which guarantees robust performance even under difficult conditions. Expansion options for additional interfaces, such as WiFi, Bluetooth, LTE or further I/Os, can be easily integrated. This powerful yet energy-efficient platform is ideal for industrial applications such as automation, process monitoring and data acquisition.

Product details

Power supply:	9 VDC to 36 VDC
Processor:	Intel® Core™ i3/i5/i7/i9 processors of the 12th, 13th and 14th generation (up to 65 W)
BIOS:	AMI
Memory:	Standard: 1 x M.2 M-Key, 2280 (SATA3, PCIe x4 Gen.3) for SSD Option: 2 x 2.5" SATA3 HDD/SSD (easily replaceable HDD compartment), BIOS supports RAID 0/1 *Note:* Modules with extended temperature range required
Other:	Watchdog timer: 256 steps Antenna: 6 x SMA for Wi-Fi, 4G LTE / 5G / GPS
Security:	SPI TPM 2.0 onboard
RAM:	2 x 262-pin DDR5 (4800 MHz) SO-DIMM, up to 64 GB (32 GB per slot) *Note:* Modules with extended temperature range required
TPM:	TPM 2.0

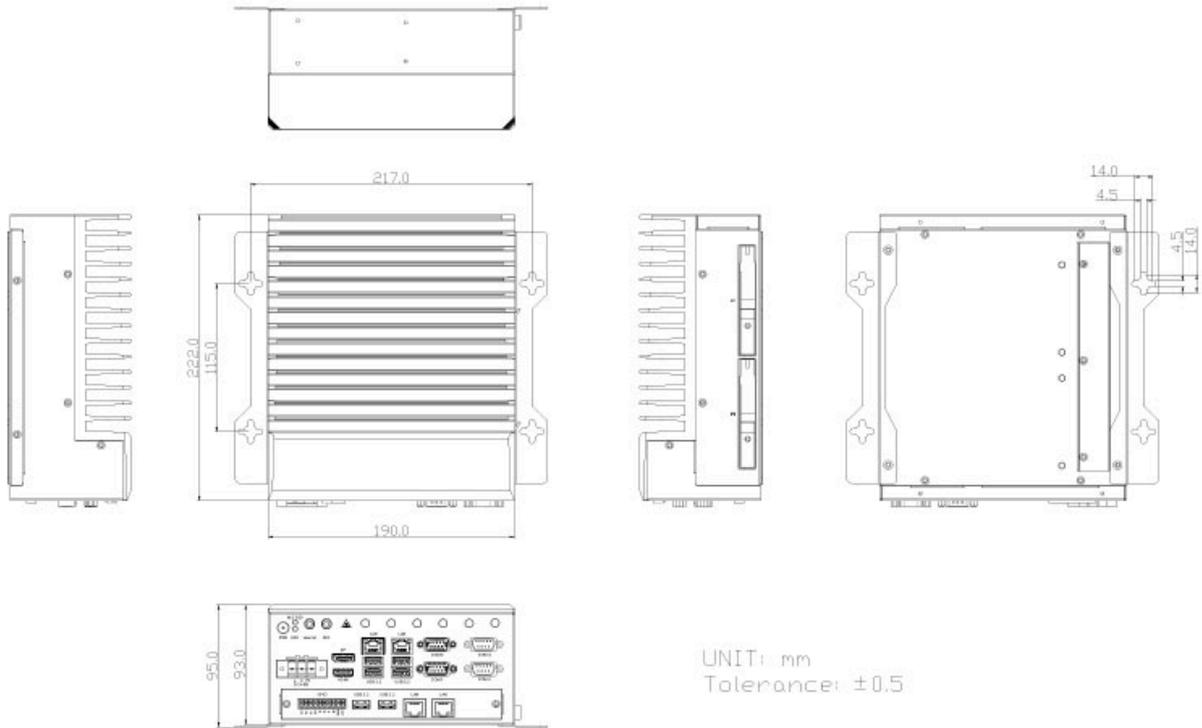|	
Interfaces:	USB: 4 × USB 3.2 Gen2 Type-A Serial: 4 x RS-232/422/485, RS-232 selectable by default Ethernet: 2 x 2.5 GbE LAN RJ-45 (i226LM, LAN1 supports iAMT) Audio: 1 x Line-Out 3.5 mm jack, 1 x Mic-In 3.5 mm jack Video: 1 x HDMI 2.0a, up to 4096 x 2160 @60Hz, 1 x DP++ 1.4A, up to 7680 x 4320 @60Hz Power supply: 1 x 3-pin DC power input via terminal block LED indicators: 1 x M.2 SSD, 1 x 2.5 " SATA On/off switch: 1 x power button with LED indicator
Expansion slots:	1 x M.2 E-Key, 2230 for Wi-Fi / Bluetooth 1 x M.2 B-Key, 3042/3052 (PCIe 3.0 x1, USB 3.2 Gen1 / USB 2.0) for optional 4G/5G module 1 x Nano-SIM slot
Housing:	Coating in titanium gray on aluminum heat sink and black steel housing
Assembly:	Wall mounting (standard) & top-hat rail rear (optional)
Dimensions:	222 x 217 x 95 mm
Ambient conditions:	Operating temperature: -20 to +60 °C (for 35 W CPU) / -20 to +50 °C (for 65 W CPU), ambient temperature with air flow (for industrial storage) Storage temperature: -40 °C to +85 °C Humidity: 10 % to 90 %.r.h., non-condensing
Certifications:	CE, FCC Class A
Operating systems:	Windows 10 IoT LTSC Windows 11 IoT LTSC
Scope of delivery:	Device Plug-in power supply unit
Customs tariff number:	84715000
Manufacturer:	Aplex Technology Inc.

Products Order no.

AVS-530QL	AVS-530QL high-performance box PC, 12th/13th/14th generation Intel® Core™.

Accessories Order no.	
ETHSWG5C	5-way Ethernet switch, Gigabit, unmanaged
ETHSWG8C1	8-port Ethernet switch, Gigabit, unmanaged

Drawings

Dimensions (mm) and STEP-Viewer:

AVS-530QL_WALL MOUNT

UNIT: mm
Tolerance: ±0.5