

**Fanless Box-PC ACS-330**  
**Intel processor N97**  
**(Quad-Core, 6 MB cache)**



- Light to medium applications
- HDMI, DisplayPort
- Flexible input voltage: 9 VDC to 36 VDC
- Various Windows versions, e.g. Windows 10 IoT or Windows 11

<https://www.wachendorff-prozesstechnik.de/en/acs-330>

**Description**

The ACS-330 series from Apex is equipped with the powerful Intel N97 processor (4-core, 6 MB cache) and has a fanless design that ensures reliable operation in industrial environments. With a DDR5 SO-DIMM Non-ECC slot for up to 32 GB RAM and flexible expansion options for additional interfaces, the system is particularly adaptable. The platform is ideal for light to medium industrial applications such as automation, process monitoring and data acquisition, offering an operating temperature of -20 °C to 60 °C with IP20 protection.

**Product details**

Power supply:	9 VDC to 36 VDC
Processor:	Intel processor N97 (4-core, 6 MB cache)
Safety module:	TPM 2.0 onboard
Other functions:	1 x SMBus wafer header 1 x I2C interface (via M.2 slot)
RAM:	1 x DDR5 SO-DIMM Non-ECC slot, supports up to 32 GB at 4800 MT/s
SSD/HDD:	1 x M.2 B+M Key 2242 (SATA interface)
Interfaces:	USB: 4 x USB 2.0 (type A on the front) Serial: 2 x RS-232/422/485 (selectable in the BIOS) Ethernet: 2 x 2500 BASE-T Ethernet ports (RJ-45) Power supply: 1 x 3-pin terminal block connector, 1 x 2-pin on/off switch connector Audio: 1 x line output, 1 x microphone input, 1 x line input (optional) Video: 1 x HDMI 2.0b (up to 4K at 60 Hz, HDCP 2.2), 1 x DisplayPort 1.4 (up to 4K at 60 Hz, VDSC 1.1, HDCP 2.2, MST) GPIO: 8 x GPIO (4 inputs/4 outputs, 3.3 V/5 V, selectable via hardware) Button: 1 x on/off button, 1 x switch connector Display: 1 x power LED
Expansion slots:	1 x Mini PCIe 3027/3051 (WLAN module) 1 x M.2 B-Key 3042/3052 (4G/5G module)
Assembly:	Wall bracket, DIN rail
Dimensions:	200 x 55 x 140 mm
Weight:	2.5 kg

Ambient conditions:	Operation: -20 °C to +60 °C, -30 °C to +70 °C (optional) Storage: -40 °C to +85 °C 95 % relative humidity at 40 °C/104 °F Shock protection: Operation, IEC 60068-2-27, 50 G, half sine wave, 11 ms Vibration protection: Operation, IEC 60068-2-64, 2 Grms, random, 5 to 500 Hz, 1 hour/axis
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Certifications:	CE, FCC Class A, UKCA, LVD, RoHS, UL 61010-2-201
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Operating systems:	Windows® 10 IoT Windows® 11
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Optional expansion card:	UART/ GPIO UART: 4 x RS-232/422/485 (selectable in BIOS), GPIO: 8 x GPIO (4-IN/4-OUT, 3.3 V / 5 V, selectable via hardware) USB/ LAN: 2 x USB 2.0 (type A), 2 x LAN connections (RJ-45)
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Customs tariff number:	84715000
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Manufacturer:	Apex Technology Inc.
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**Products Order no.**

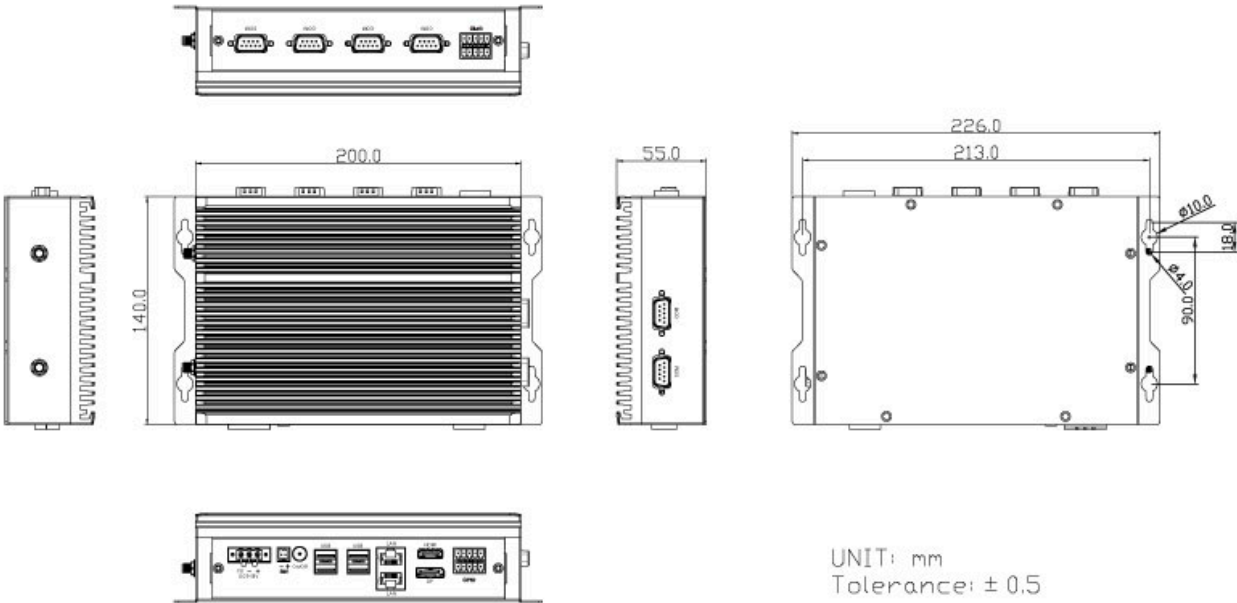
ACS-330	Fanless Box-PC, Intel processor N97
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**Accessories Order no.**

ETHSWG5C	5-way Ethernet switch, unmanaged
ETHSWG8C1	8-port Ethernet switch, Gigabit, unmanaged

**Drawings**

**Dimensions (mm) and STEP-Viewer:**





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