HX600

Intel® 10th Gen Comet Lake
Expanded Industrial Edge Computer

Helix 600 packs Intel® Comet Lake Core processing into a unique fanless hybrid chassis, with expansion options for additional storage, I/O or graphics cards.

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Intel 10th Gen Power

Powered by Intel 10th Gen Comet Lake processing, up to the latest Core i9 CPU, Helix 600 can accommodate up to 64 GB of RAM, has room for dual SSDs and features support for VPU accelerators to enable advanced edge computing solutions.

Unique Chassis Design

Helix 600 provides a 0-50°C operating temperature range and, thanks to its unique hybrid fanless chassis, which separates the motherboard from the expansion bay, provides a wide range of customization options, including a selection of Nvidia graphics cards.

Well Connected

With triple independent display support, dual Gb LAN with vPro/ AMT (depending on the processor selected), available DIO and wide-input 12-24V power with voltage protection, Helix 600 puts you in control of how your information is transmitted and displayed.

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System

Processor	Intel® Comet Lake Core i3/i5/i7/i9
Processor Speed	Up to 3.20 GHz (G5900T) Up to 3.00 GHz (i3-10300T) Up to 2.30 GHz (i5-10500) Up to 2.0 GHz (i7-10700T) Up to 1.90 GHz (i9-10900T)
Processor Cores	Up to 10 (processor dependent)
Chipset	Intel Q470
Integrated Graphics	Intel UHD Graphics 630
Memory	Up to 64 GB
Memory Speed	2933 MHz

Rear I/O

Ethernet	2 Gb LAN ports
USB	2 USB 3.1 Gen 2 ports 2 USB 3.1 Gen 1 ports
Video	3 DisplayPorts
Power	1 12 ~ 24 V, 4-pin DC jack (Terminal block input optional)

Front I/O

USB	4 USB 3.2 Gen 2 ports
Other	1 Power button 1 SIM Card slot 1 Audio jack; line-out, mic-in

Expansion & Features

Expansion & Storage	2 I/O Expansion slots 1 PCIe x16 slot 2x M.2 2280 slots (NVME PCIe x1/SATA)
Features	Wide Power Input

Mechanical

Dimensions (WxHxD)	303 x 65 x 210 mm
Mounting Options	DIN-mount VESA-mount Wall-mount

Environmental & Regulatory

Operating Temperature	0°C to 50°C
Operating Humidity	0% ~ 90% (non-condensing)
Certifications	FCC 47 CFR Part 15 CE WEEE Directive (2002/96/EC) Low Voltage Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU) Radio Equipment Directive (2014/53/EU) - For configurations with wireless transmitters RoHS 3 (2015/863/EU) REACH EN 55024 EN 55032 EN 55035 EN 60950-1 EN 61000-3-2 EN 61000-3-3 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN 61000-4-11 EN 62368-1

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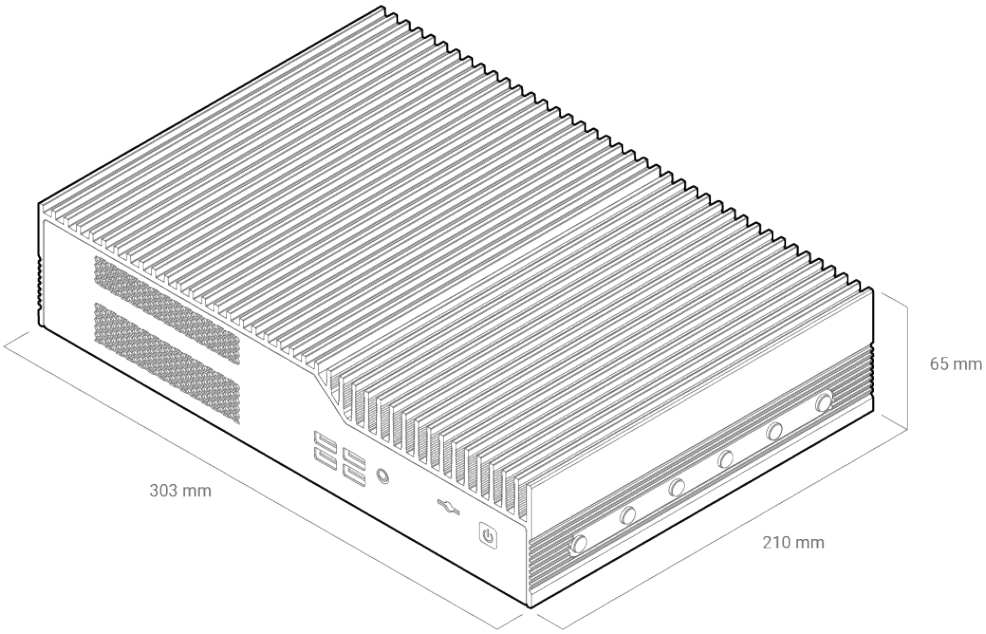
HX600 Dimensional Drawings

Intel® Expanded Industrial Edge Computer

All measurements in mm



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