HX500

Intel® 10th Gen Comet Lake Industrial Edge Computer

Helix 500 packs Intel 10th Gen Comet Lake Core processing into a fanless, solid state platform engineered for the challenges of edge computing environments.

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Powerful Processing

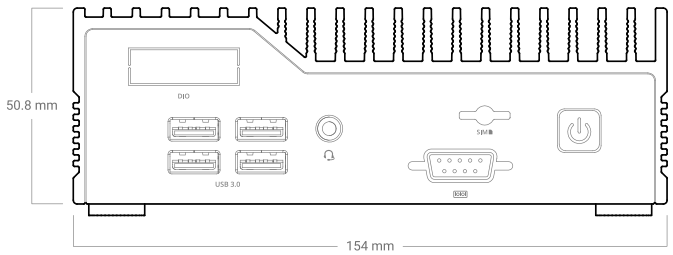
Helix 500 packs desktop processing performance into a fanless, silent mini-pc. Powered by Intel Comet Lake Core processing, Helix 500 can accommodate up to 64 GB of RAM, has room for dual SSDs and features available VPU accelerators.

Do More At The Edge

Engineered to survive where other computers would fail, Helix 500 puts you in control of how, and more importantly where, your data is collected and processed. Its fanless construction and 0-50°C operating temperature range allow Helix 500 to operate 24/7 right where you need it.

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 500 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
Serial	1 COM port (optional)
Other	1 Power button 1 SIM Card slot 1 8-bit DIO port (optional) 1 Audio jack; line-out, mic-in

Expansion & Features

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

Mechanical

Dimensions (WxHxD)	154 x 50.8 x 210 mm
Mounting Options	DIN-mount VESA-mount Wall-mount

Environmental & Regulatory

Operating Temperature	0°C to 50°C
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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HX500 Dimensional Drawings

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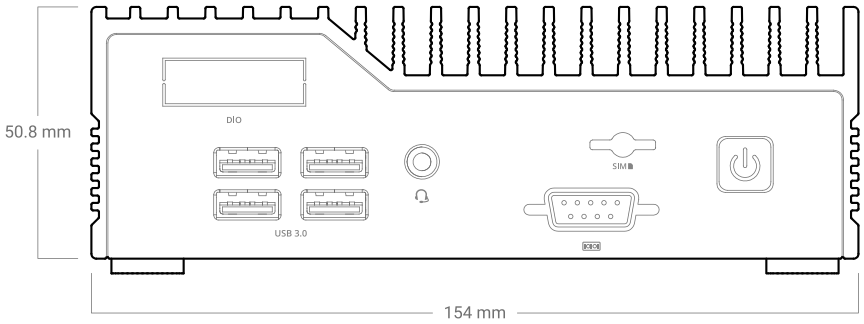
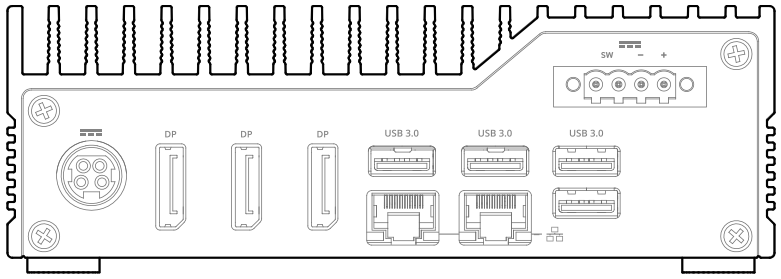
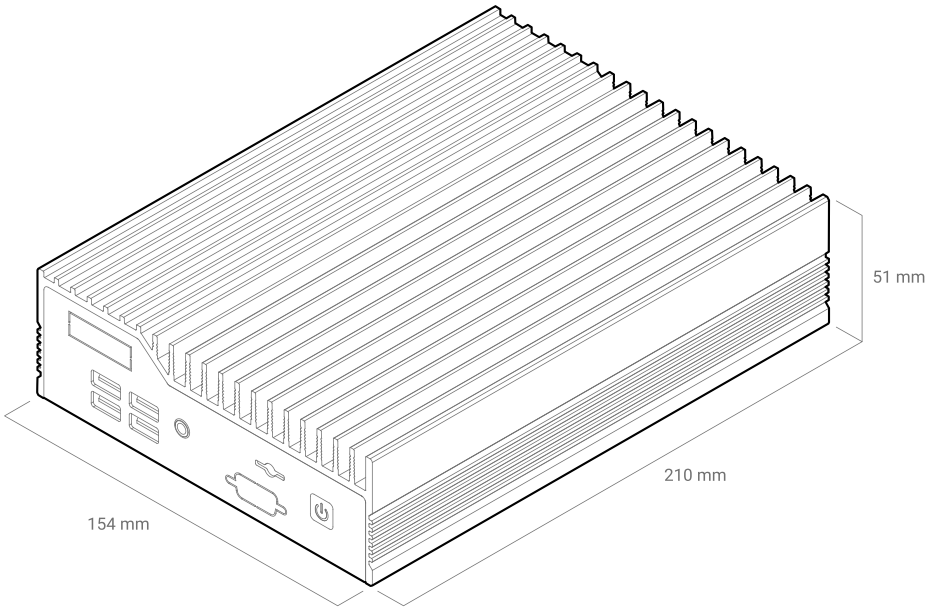
All measurements in mm







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