

HX610

Onlogic Helix 610 Intel® Comet Lake Industrial Edge Computer With Optional Hot Swap Storage

Helix 610 packs Intel 10th Gen Comet Lake Core™ processing into a fanless, solid state platform with optional hot swap storage and other expansion options.

onlogic.com/hx610



The Power of Intel 10th Gen

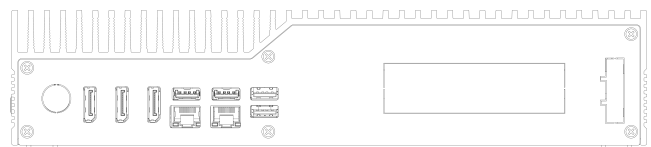
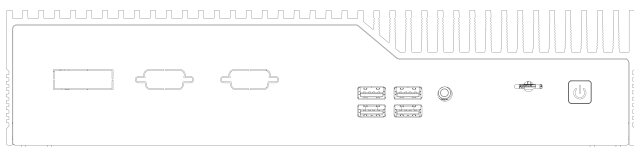
Powered by Intel 10th Gen Comet Lake processing, up to the latest Core i9 CPU, Helix 610 can accommodate up to 64 GB of RAM, has room for dual SSDs and features support for VPU accelerators to enable advanced edge computing solutions.

The Flexibility of Hybrid Fanless

Helix 610 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 optional dual hot swap storage bays.

The Connectivity You Need

With triple independent display support, dual Gb LAN with vPro/AMT (depending on the processor selected), available DIO, dual COM and wide-input 12-24V power with voltage protection, Helix 610 puts you in control of how your information is transmitted and displayed.



US Office

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EU Office

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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 Socket	LGA1200
Processor Generation	Comet Lake
Processor Cores	Up to 10 (processor dependent)
Chipset	Intel Q470
Graphics/GPU	Intel UHD Graphics 630
Memory Type	Up to 64 GB
Memory Capacity	64 GB
Memory Slot Count	2
Number of Displays Supported	3

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 1 Audio jack; line-out, mic-in (optional) 2 RS-232/422/485 COM (optional) Isolated DIO (optional)

Expansion & Features	
Expansion Options	1 M.2 2230 E-key (Wi-Fi)(PCIe/USB 2.0/CNVl) 1 M.2 2280/3042 B-Key (PCIe x2 USB 3.2 5b/s SATA) 1 M.2 2280 M-Key (PCIe x 4 SATA III) 1 mPCIe (PCIe x 1/USB 2.0)
Storage Options	1x M.2 2280 M-key (PCIe x 4/SATA III) 1x M.2 2280/60/3042 B-Key (PCIe x2/USB 3.2/5Gbs SATA) 2 SATA III connectors for 2.5" HDD/SSD (externally accessible hot swap optional)
Input Voltage	12 - 24 VDC
Power Input	4-pin Mini-DIN connector type 4-pin terminal block (optional)

Mechanical	
Dimensions (WxHxD)	303 x 65 x 210 mm (11.93 x 2.56 x 8.27")
Mounting Options	DIN-mount Wall-mount
Case Type	Fanless
Case Material	Aluminum
Port Punchouts	6 Antenna holes

Environmental & Regulatory	
Operating Temperature	0 - 50°C (selecting some expansion options may limit the system's operating temperature range)
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
Warranty	2 Year Limited Warranty on parts and services

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HX610 Dimensional Drawings

Expanded Industrial Edge Computer

All measurements in mm

