HX330

OnLogic Helix 330 Intel® Elkhart Lake Industrial Edge Computer w/Additional LAN

Helix 330 features the power and capabilities of the latest Intel Celeron® and Pentium® processors (formerly “Elkhart Lake”) in a low profile fanless system with up to 4 Gb LAN ports.

onlogic.com/hx330

Engineered For IoT With Intel Elkhart Lake

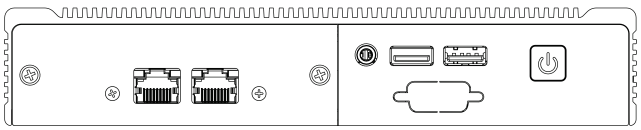
Helix 330 was built to thrive at the edge, and makes a perfect addition to the innovative Helix Series. Powered by the Dual-Core Intel Celeron N6211, or Quad-Core Intel Pentium J6426 processors, which have been specifically engineered for IoT applications, Helix 330 offers a unique combination of features, power and connectivity, making it an ideal Industrial IoT gateway, edge device or embedded controller.

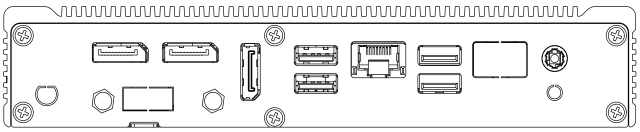
Easy To Install Wherever You Need It

Helix 330 can be installed in almost any industrial application. At less than 1.5” tall, the system can be DIN, and wall mounted directly at the source of your data. Sensitive internal components are protected from dust, debris, chemicals, and moisture with OnLogic’s integrated Hardshell™ Fanless Technology. Its advanced industrial design, 12-24 V power input, and the absence of any moving parts dramatically improve the lifespan and reliability of the system.

Built For Advanced Networking

Connect Helix 330 to your existing infrastructure and take control of your data, with standard I/O that includes 3 USB 3.2 & 3 USB 2.0 ports, 2 COM (RS-232/422/485), 3 DisplayPorts, 3 Gb LAN ports (4 LAN available when equipped with a Pentium CPU) and SIM Slot for use with available 4G LTE connectivity. Whatever you need to connect with, or connect to, Helix 330 has you covered.





US Office
Phone: +1 802 861 2300 | Email: info@onlogic.com | www.onlogic.com

EU Office
Phone: +31 088 5200 700 | Email: info@onlogic.eu | www.onlogic.com

onlogic.com/hx330

ONLOGIC

System

Processor	Intel Celeron N6211 or Pentium J6426
Processor Speed	1.20 GHz to 3.0 GHz
Processor Socket	Onboard (BGA)
Processor Generation	Elkhart Lake
Processor Cores	2 4
Graphics/GPU	Intel UHD Graphics
Memory Type	DDR4 SO-DIMM (non-ECC)
Memory Capacity	32 GB
Memory Speed	3200 MHz
Memory Slot Count	2
Number of Displays Supported	3

Rear I/O

Ethernet	3 Full size DisplayPort 1.4 with CEC support by optional add-on module 1 Gb LAN (2 Gb LAN optional with Pentium J6425)
USB	2 USB 3.2 2 USB 2.0
Video	3 Antenna punch outs 1 Kensington Lock
Power	1 Barrel Jack with 12~24 V input (terminal block optional)

Front I/O

USB	1 USB 2.0 1 USB 3.2
Other	1 Power LED button 1 3.5 mm Audio headset (mic-in, line-out) 1 2FF-Sim slot 1 Serial port (optional)
Port Punchouts	3 Antenna holes (right side) Serial

Expansion & Features

Expansion Options	1 M.2 2230 E-key (Wi-Fi)(PCIe/USB 2.0)
Storage Options	1 M.2 B-Key 2242/2260/2280 slot 1 M.2 2280 M-Key slot
LAN Controller	1x Intel GPY115 or 2x Intel GPY115
Input Voltage	9 - 24 VDC
Power Input	DC jack 4-pin terminal block (optional)

Mechanical

Dimensions (WxHxD)	196 x 36.75 x 120.8 mm 7.72” x 1.45” x 4.76”
Mounting Options	DIN-mount VESA-mount Wall-mount
Case Type	Fanless
Case Material	Aluminum
Port Punchouts	6 Antenna holes
Hardware Type	Edge Devices and IoT Gateways

Environmental & Regulatory

Operating Temperature	0 - 50°C
Operating Humidity	0% - 90%
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

US Office
Phone: +1 802 861 2300 | Email: info@onlogic.com | www.onlogic.com

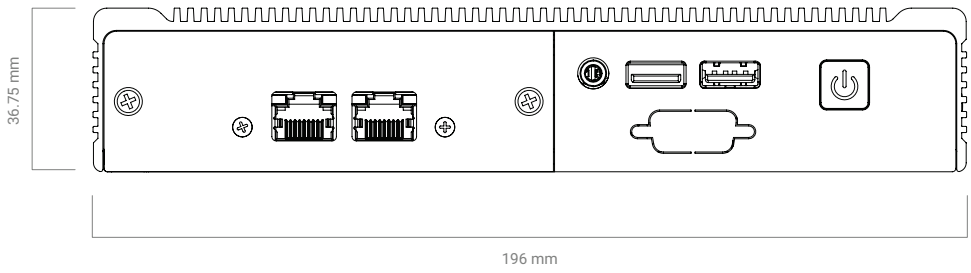
EU Office
Phone: +31 088 5200 700 | Email: info@onlogic.eu | www.onlogic.com

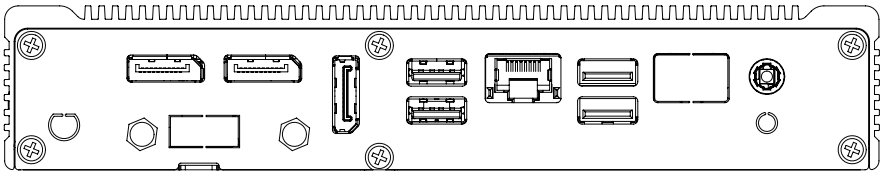
onlogic.com/hx330

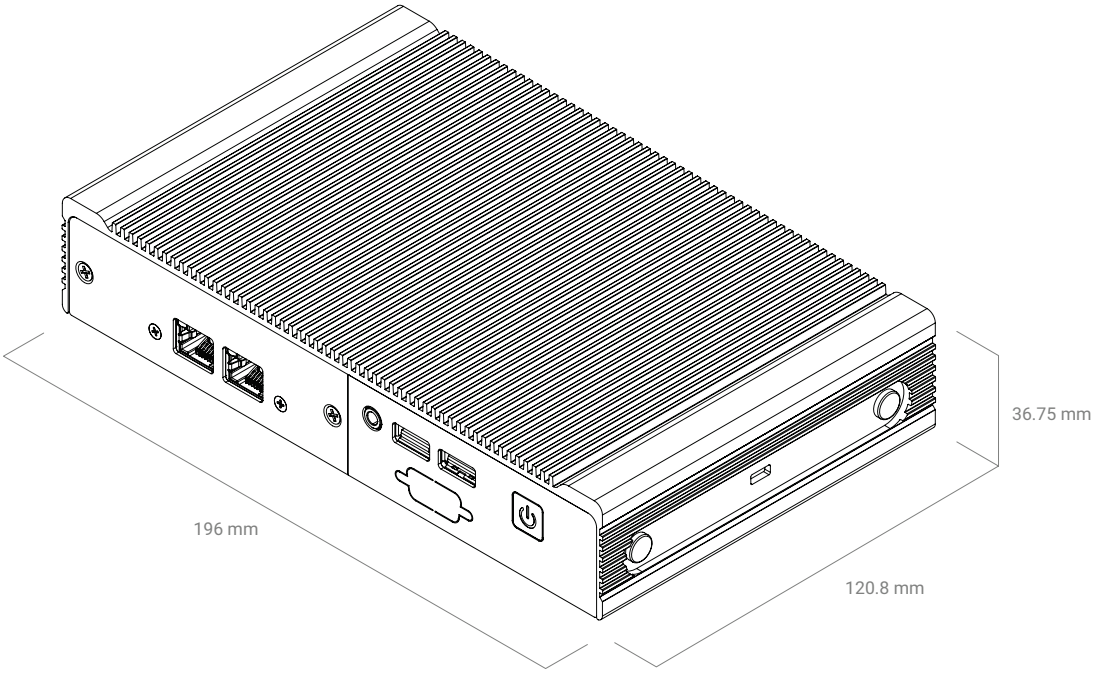
HX330 Dimensional Drawings

Expanded Industrial Edge Computer

All measurements in mm







US Office
Phone: +1 802 861 2300 | Email: info@onlogic.com | www.onlogic.com

EU Office
Phone: +31 088 5200 700 | Email: info@onlogic.eu | www.onlogic.com