

AI Edge Computer

AI

Edge

Computer

DX-H9320

CE

the 8th Generation Intel® Desktop Processor Family
with PCIE × 16 Expansion



Features

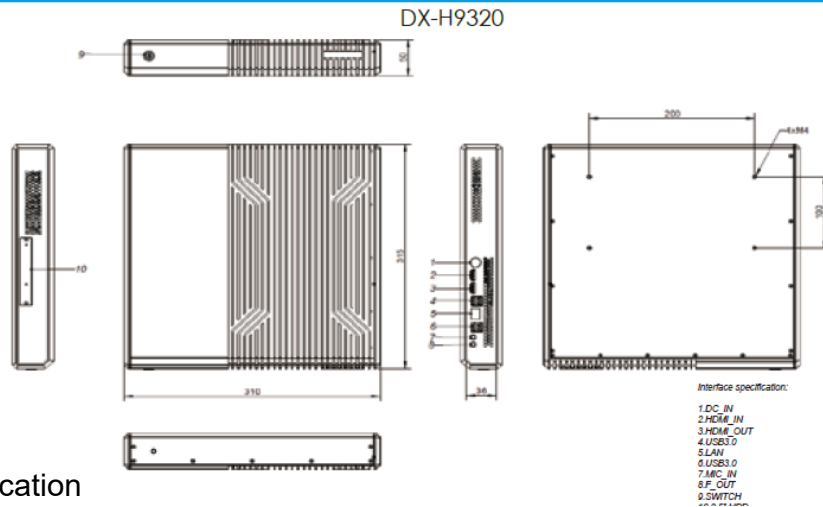
- Supports 8th Generation Intel Coffee Lake Family/i3/i5 processors
- Supports gigabit Ethernet
- 4×USB3.0, 1× HDMI OUT
- Supports T4/P4/P4000/P400/P620 AI card /Cambricon MLU-100
- 1 harddisk supports up to 4TB of video cache
- Supports up to 64G of RAM
- 16V-24V Wide Range Input
- 315×305×50mm, ultra thin, tiny and easy to deploy

Ordering Information · Selection

Product Model and Type

Model Number	Product Information / Regulatory
DX-H9320	Intel® Coffee Lake 8th Gen Family Celeron® /Pentium®/i3/i5/i7 desktop core, TDP=45W (with a cooling fan) CE

Dimensions



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Specification

Item	Specification
Processor	CPU 8th Gen Intel® Coffee Lake Family Celeron® /Pentium®/i3/i5/i7 desktop core, TDP=45W (with a cooling fan)
	CPU slot Coffee Lake LGA1151
	Chipset Intel H310 Chipset
	BIOS 128m flash ROM, AMI UEFI BIOS, real time monitoring CPU temperature, system
Artificial Intelligence	AI Parameter supporting Nvidia Tesla T4/ P4, Quadro P4000/P1000/P400/P620 and other proficient AI cards supporting Cambricon PCIe full-length, full-height and passive cooling AI card MLU-100-C 32T hash rate (INT8) 32 channels decoding and 16 channels encoding supporting Cambricon PCIe half-length, half-height passive cooling AI card MLU-100-D 16T hash rate (INT8) without decoding
	RAM Port 2 x DDR4L SO-DIMM, @1.35V, DDR4L-2133/2400 MHz
RAM	Capacity standard: 2 x 8G, up to 2 x 32G
	Storage Port motherboard 1 x MSATA 3.0, 1x SATA PSU connector the chassis with 2.5" HDD bracket, supporting 9.5mm thickness of HDD, with a lock and can be moved externally 1 x M.2 2242/2280 (switching SATA/PCIe by pushing buttons)
Display	Chipset Intel® HD Graphics integrated with CPU
	Output 1 x HDMI IN 1 x HDMI OUT (max resolutions support: 4096x2304, @24Hz) HDMI IN/HDMI OUT used separately
Ethernet	Chip 1 x Intel® Gb Ethernet Connection; LAN1: i210AT
	Port 1 x RJ45 lan port
	WiFi&3G/4G 1 x M.2 2230 slot (half height WiFi / half height 4G module are available) 1 x SIM card slot
Audio frequency	Chip Realtek ALC662VD 6-channel sound chip
	Port 1 x Mic-in + 1 x Audio-out
I/O Port	USB 4 x USB 3.0 on the interface, 2 x USB2.0 pins on the motherboard
Expansion port	PCIe 1 x PCIe 3.0 x 16 (supporting GPU card, AI card and various PCIe interface adapter)
	Power supply type power supply connector DC 19V (16Vdc-24Vdc)
Power supply	Port 1 x 4pin DC adapter power supply terminal
	Input voltage Adapter: usual range 110Vac-240Vac. (lowest 90Vac highest 264Vac)
	AI power supply AI card is powered by motherboard 1x6 PIN +12V power supply connector (up to 120 W) low consumption AI card is powered by PCIe x 16 port
Fan	Power Consumption AI card Cambricon MLU-100-C 140W(180W peak), Cambricon MLU-100-C 90W(130W peak) are powered from motherboard 1x6 PIN +12V power supply connector 120 W
	Plug type 1 x 4pin CPU fan plug (with airflow controller) 1 x 3pin system fan plug (without airflow controller)
LED/button	Fan type 1x ultra thin pure copper silent CPU fan, 4 pin controlled by rotation speed standard: 2x 40mm*40mm*20mm 7000 rounds system fan, without speed controllers. Noise level 23 db (using MLU-100-C card) optional: high airflow and temperature-controlled fan, 2x 40mm*40mm*20mm, 11000 rounds, with speed controller. Noise level 23 db~45 db (using MLU-100-C card) optional: high airflow silent turbo-fan (using MLU-100-D card)
	Power button 1xpower buttone (with LED indicator lights) 1x power signal port
Reset / restart	onboard reset / restart jumper (press 0.2-1s to restart in operation)
	Environment Operation temperature 0~45℃ @ 7000-round fan -20~55 ℃@ high airflow fan, industrial SSD Storage temperature -40~80℃ (IPC SSD) Ambient humidity 95% @ 40 ℃ (no condensation) Vibration 2 Grms @ 5~500 Hz, random, 1 hr/axis. With 2.5" HDD: 0.25 Grms @ 5~500 Hz, random, 1 hr/axis
Watchdog timer	Output/interval interval and reset / 255 level timer intervals
OS	Version Windows 7/8.1/10 , Linux Ubuntu 16.04/18.04
Structure parameter	Body weight 4.55kg(MLU-100-C) / 4.35kg (MLU-100-D)
	Outside 315(L) x310(W) x 50(H) mm

*The information is for reference and subject to change without prior notice.