AOPEN

Digital Engine®









Cost-Effective, Slim & High-Performance IPC

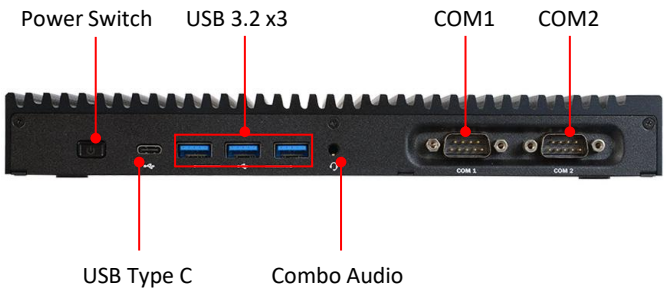
Fanless & No Venting Hole | Slim Type | Rich Connectivity

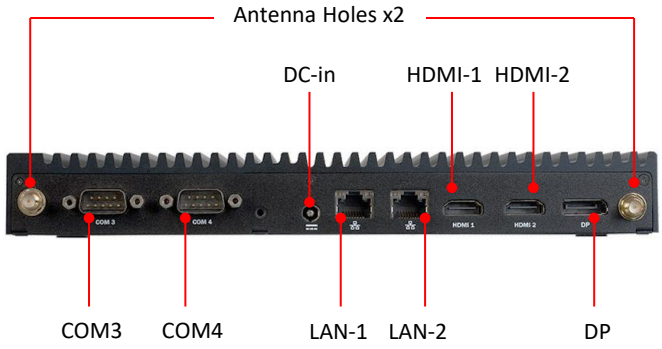
DEM5135

The AOPEN DEM5135 is a slim, fanless industrial PC powered by the Intel® 13th Gen Raptor Lake-U processor with Intel® Iris Xe Graphics. It supports up to 64GB DDR4 memory, quad display outputs, dual 2.5G LAN, and rich I/O including USB 3.2, RS232/422/485, and M.2 expansion for SSD and Wi-Fi. With its ventless design, TPM 2.0 security, and compact 242×120×30mm chassis, the DEM5135 delivers reliable, cost-effective performance for digital signage, automation, and edge AI applications.

- Intel® 13th Core-i CPU (i3/i5/i7) processor, TDP=15W
- Fanless and no venting hole design
- DDR4 3200 So-DIMM x2, up to 64GB
- Integrated Intel® Iris Xe Graphics
- Rich connectivity including dual 2.5G LAN, three USB 3.2 Gen2, one USB Type-C, four DB9 serial ports (two RS232, two RS232/422/485), combo audio jack
- TPM 2.0, FIPS Level 2 compliant
- Operating temperature 0°C to 50°C

DEM5135





Model name		DEM5135
Color		Black
Dimensions	W x H x D (mm)	242 x 30 x 120 mm
	W x H x D (inch)	9.53 x 1.18 x 4.72 inch
Weight	Net Weight	1.16 kgs / 2.55 lbs
	Gross Weight	2.21 kgs / 4.86 lbs
CPU	Type	Intel® 13th Core-I (i3,i5,i7) Processor TDP=15W
Memory	Channels	Dual Channel
	Type	DDR4 SO-DOMM x2
	Data Rate	3200 MHz
	Max Memory	Max 64G
Graphics		Intel® Iris Xe Graphics
Expansion slot		M.2 slot x1, 2280 (key M for NVMe SSD) M.2 slot x1, 2230 (key E for wifi)
Audio	Type	Realtek HD Audio Codec
	Channel	Stereo
LAN	Chip	Intel® 2.5GLAN x2
	Speed	100 / 1000 / 2500 Mbps
Storage	2.5" Bay	X 1
	M.2 SSD	X 1

Front Panel I/O	USB Type C w/DP	X 1
	USB 3.2 Port	X 3
	Power Switch	X 1
	Others	Power/HDD LED x1, COM1 & COM2 RS232/422/485 DB9 x2, Combo HD Audio (speaker out & Mic in)
Rear Panel I/O	DC Input	X 1 (19V, with 90W power adaptor)
	HDMI Port	HDMI 2.0 x2 (3840x2160@60Hz)
	USB Port	-
	DisplayPort	DP1.4 X1
	eSATA Port	-
	2.5GbE LAN RJ45	X 2
	COM Port	X2 (COM3 & COM4 RS232 DB9)
	Antenna Holes	X 2
	Kensington Lock Hole	-
	Others	-
Watchdog Timer		N/A
TPM		2.0
Power Supply		90W(19V, 4.74A) AC Adapter
Input Voltage		AC 100 ~ 240V
Warranty		1 Years
Operating Temperature		-0 ~ 50°C (-32 ~ 122°F)
Storage Temperature		-30 ~ 60°C (-22 ~ 140°F)
Relative Humidity		90% RH (45°C non-Condensing)

Supports

*Please note that product specifications are subject to change without notice

AOPEN

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