EVP-1000-E4

1U Edge AIoT System with Intel® 12/13th Gen Core™ Processor and PCIe x4 Expansion

Features

- 12/13th Intel® Core™ Processor with Intel® Q670 Chipset, up to 65W CPU
- Compact design: 254 x 230 x 44.4 mm
- Non-ECC DDR5 SO-DIMM 4800, 2x DisplayPort, 4x USB 3.2, 2x GbE ports (2.5G), 1x COM ports (RS-232)
- Supports one PCIe x4 on PCIe x8 slot



Windows Canonical Ubuntu EdgeGO

ASD+ 50°C 0°C

Ordering Information

P/N	Model Name	Chipset	Memory	PCIe x16	PCIe x4	PCI	DP	DVI	VGA	eDP	LAN	COM	SATA	M.2	USB2.0	USB 3.2 Gen 2x1
93-F0109-0220	EVP-1000-E4 Bare Bone IPC	Q670	8G	0	1	0	2	0	0	0	2	1	1	2	0	4
93-F0109-0120	EVP-1000-E4 Pre-configured IPC	Q670	8G	0	1	0	2	0	0	0	2	1	1	2	0	4

Optional Accessories

PN	Description
31-62149-0000	220W Power Adapter for EVP-1000-E4
32-20663-0000-A0	CPU Cooler for EVP-1000-E4

Packing List

PN	Description	QTY
93-F0109-0220	EVP-1000-E4 Bare Bone IPC	1
93-F0109-0120	EVP-1000-E4 IPC System	1
N/A	I/O Bracket	1

Embedded OS

PN	Description
92-56094-0010	Win10 IoT Ent LTSC 2021 High End PKEA
92-56094-2010	Win10 IoT Ent LTSC 2021 Value PKEA
92-56094-4010	Win10 IoT Ent LTSC 2021 Entry PKEA
92-56101-0010	Win11 IoT Ent LTSC 2024 High End PKEA
92-56101-2010	Win11 IoT Ent LTSC 2024 Value PKEA
92-56101-4010	Win11 IoT Ent LTSC 2024 Entry PKEA

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Specifications

Model		EVP-1000-E4	
Sku		Pre-configured	Barebone System (User Configurable)
Processor System	CPU	Intel® Core™ i9-12900E	Support Intel® Core™ 12/13/14th Gen Processors (up to 65W)
	Chipset	Q670	
	Memory	1x DDR5 4800 non-ECC SO-DIMM 8GB	2x DDR5 4800 SO-DIMMs slots (non-ECC, up to 64GB)
	OS Support	Windows 10/11 IoT, Linux	
Display	VGA	-	
	HDMI	-	
	DisplayPort	2x DP1.2++ (rear I/O), resolution up to 4096 x 2304 @ 60Hz	
	DVI-D	-	
	No. of Displays	Dual Displays	
Ethernet	Gbe Port	2	
	Controller/ Frequency	2x Intel® i225-IT (2.5 GbE)	
I/O Interfaces	USB	4x USB 3.2 Gen 2x1 ports (Rear IO)	
	Serial Ports	1 x RS-232 (Rear IO)	
	M.2	2 x M.2 M-Key 2280, support PCIe Gen 4 x 4	
	SATA	2	
	GPIO	-	
	Expansion Slots	1x PCIe x4 on PCIe x8 slot	
	TPM	Yes (TPM 2.0, Infineon SLB9670/ Nuvoton co-lay)	
	Dimension	254 (W) x 229.3 (D) x 44.4 (H) mm	
	Power Supply	24V (+/- 10% tolerance)	
	Operating Temperature	0°C to 50°C (32°F to 122°F) Add-on cards depend on the spec sheet thermal	
	Vibration Operating	OP: 5-500 Hz, 1 Grams Non-OP: 5-500 Hz, 2 Grams	
	Shock Operating	OP shock test: 20 G, 11m duration	
Certification	EMC	CE and FCC Class A	
	Safety	EN 62368-1:2014+A11:2017	

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

CPU Support List

Family	Number	CPU Core	Frequency	Cache	Processor Base Power	Since BIOS
Raptor Lake	i9-13900E	24 Cores	5.2 GHz	36 MB	65 W	1.00.10
Raptor Lake	i9-13900TE	24 Cores	5.0 GHz	36 MB	35 W	1.00.10
Raptor Lake	i9-13900	24 Cores	5.6 GHz	36 MB	65 W	1.00.10
Raptor Lake	i7-13700E	16 Cores	5.1 GHz	30 MB	65 W	1.00.10
Raptor Lake	i7-13700TE	16 Cores	4.8 GHz	30 MB	35 W	1.00.10
Raptor Lake	i7-13700	16 Cores	5.2 GHz	30 MB	65 W	1.00.10
Raptor Lake	i7-13700T	16 Cores	4.9 GHz	30 MB	35 W	1.00.10
Raptor Lake	i5-13500E	14 Cores	4.6 GHz	24 MB	65 W	1.00.10
Raptor Lake	i5-13500TE	14 Cores	4.5 GHz	24 MB	35 W	1.00.10
Raptor Lake	i5-13500	14 Cores	4.8 GHz	24 MB	65 W	1.00.10
Raptor Lake	i5-13500T	14 Cores	4.6 GHz	24 MB	35 W	1.00.10
Raptor Lake	i5-13400E	10 Cores	4.6 GHz	20 MB	65 W	1.00.10
Raptor Lake	i3-13100E	4 Cores	4.4 GHz	12 MB	65 W	1.00.10
Raptor Lake	i3-13100TE	4 Cores	4.1 GHz	12 MB	35 W	1.00.10
Raptor Lake	i3-13100	4 Cores	4.5 GHz	12 MB	60 W	1.00.10
Raptor Lake	i3-13100T	4 Cores	4.2 GHz	12 MB	35 W	1.00.10
Alder Lake	i9-12900E	16 Cores	5.0 GHz	30 MB	65 W	1.00.10
Alder Lake	i9-12900TE	16 Cores	4.8 GHz	30 MB	35 W	1.00.10
Alder Lake	i7-12700E	12 Cores	4.8 GHz	25 MB	65 W	1.00.10
Alder Lake	i7-12700TE	12 Cores	4.7 GHz	25 MB	35 W	1.00.10
Alder Lake	i7-12700	12 Cores	4.9 GHz	25 MB	65 W	1.00.10
Alder Lake	i5-12500E	6 Cores	4.5 GHz	18 MB	65 W	1.00.10
Alder Lake	i5-12500TE	6 Cores	4.3 GHz	18 MB	35 W	1.00.10
Alder Lake	i5-12500	6 Cores	4.6 GHz	18 MB	65 W	1.00.10
Alder Lake	i5-12400	6 Cores	4.4 GHz	18 MB	65 W	1.00.10
Alder Lake	i3-12100E	4 Cores	4.2 GHz	12 MB	65 W	1.00.10
Alder Lake	i3-12100TE	4 Cores	4.0 GHz	12 MB	35 W	1.00.10
Alder Lake	G7400E	2 Cores	3.6 GHz	6 MB	46 W	1.00.10
Alder Lake	G7400TE	2 Cores	3.0 GHz	6 MB	35 W	1.00.10
Alder Lake	G6900E	2 Cores	3.0 GHz	4 MB	46 W	1.00.10
Alder Lake	G6900TE	2 Cores	2.4 GHz	4 MB	35 W	1.00.10

All products and company names listed are trademarks or trade names of their respective companies. Updated Jul. 08, 2026. ©2026 ADLINK Technology, Inc. All Rights Reserved. All pricing and specifications are subject to change without further notice.