

NEW

EPS-RPS

Intel® 13th Fanless Rugged Embedded System

 Get a Quote

 Product Comparison



Product Features

13th Gen Intel® Core™
i9/i7/i5/i3/Pentium®/Celeron® Processor

2-DIMM Up to 64GB Dual Channel DDR5 SO-DIMM
4800MHz

3-Expansion (mPCIe & 2-M.2 E/B)

Support H610E/Q670E

3-Storage (2.5" Drive Bay & 2-M.2 B/M)

Rich I/O 8-USB, 6-COM, 2-LAN

Industrial & Embedded



Application

Products

Capability

Support



VISITOR 



Computing System



Compact Computing System

Modular Computing System

Expandable Computing System

Barebone System

Rackmount System

Din Rail System

Transportation System

ARM-based System

Panel PC / Monitor / Mobile



Digital Paper



High Performance Computing



AI Computing Platform



IoT Solution



Feature

Specification

Product Specification

System Information



Processor

Default:
Intel® Core™ i9-13900TE Processor (35W)
Intel® Core™ i7-13700TE Processor (35W)
Intel® Core™ i5-13500TE Processor (35W)
Intel® Core™ i3-13100TE Processor (35W)
Optional:
Intel® Core™ i5-13500E Processor (65W)

Platform Controller Hub

Intel® Q670E Express Chipset
Intel® H610E Express Chipset

System Memory

2 x SO-DIMM Socket, Max. Up to 64GB DDR5 4800MHz

BIOS Information

AMI UEFI BIOS, 256 Mbit SPI Flash ROM

Watchdog Timer

H/W Reset, 1sec. ~ 65535sec.

H/W Status Monitor

CPU & system temperature monitoring and Voltage monitoring

RAID

RAID 0/1 (Q670E sku only)

TPM

TPM 2.0

iAMT

iAMT support for Q670E sku w/i9,i7,i5 CPU

SBC

EBM-ADS

Expansion



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VISITOR



Feature	Specification
	1 x M.2 Key-E 2230 PCIeIII x 1/USB2.0
mPCIe	1 x mPCIe support PCIe III x 1/USB2.0 expansion
Storage	
M.2	1 x M.2 Key-M 2242/2280, support PCIe Gen IV x 4 (NVMe SSD)(Q670E sku only) 1 x M.2 Key-B 2242, support SATA (share with expansion slot, Q670E sku support RAID 0/1)
2.5 Drive Bay	1 x 2.5 Drive Bay
Front I/O	
USB	4 x USB 3.2 Gen.1
Power Button	1 x Power Button
Reset Button	1 x Reset Button
COM Port	6 x COM (4 x RS232/422/485 + 2 x RS232)
LED Indicator	1 x Storage LED (Yellow) 1 x LTE LED (Green) 1 x Wifi LED (Green)
Audio	1 x Mic-In 1 x Line-Out
Wire-Control Power On/Off	1 x 2-Pin Terminal Block
Rear I/O	
USB	2 x USB 3.2 Gen.2

Feature	Specification	
DP	2 x DP++ 1.4	
HDMI	2 x HDMI 2.0b	
Antenna	2 x Antenna with dust cover	
AC/DC Input	5-Pin Terminal Block	
Right I/O		^
Antenna	2 x Antenna with dust cover	
Left I/O		^
Antenna	2 x Antenna with dust cover	
Display		^
Graphic Chipset	Intel® 13th Generation CPU integrated (H610E support 3-display, Q670E support 4-display)	
Audio		^
Audio Codec	Realtek ALC888s	
Ethernet		^
LAN Chipset	1 x Intel I226-LM 1 x Intel I219-LM	
Power Requirement		^
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant	

Feature	Specification
OS	Win 10/Win 11 64bit / Linux
Certification ^	
Certification Information	CE, FCC Class B
Mechanical & Environmental ^	
Operating Temp.	Fanless Mode (35W) -10°C ~ 55°C (14°F ~ 131°F) Fan Kit Mode (65W) -10°C ~ 50°C (14°F ~ 122°F)
Storage Temp.	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	215.8 × 202.5 × 75mm
Vibration Test	With SSD: 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
Shock Test	With SSD: 50Grms, IEC 60068-2-27, Half Sine, 11ms
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed
IP Rating	IP50
Mounting Kit	Wall Mount kit & DIN Rail
Ordering Information ^	
Ordering Information	Intel® 13th Gen Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor With Intel® Q470E Chipset

Feature	Specification
	With Intel® H610E Chipset EPS-RPS-I9H-A1-1R (I9-13900TE) EPS-RPS-I7H-A1-1R (I7-13700TE) EPS-RPS-I5H-A1-1R (I5-13500TE) EPS-RPS-I3H-A1-1R (I3-13100TE)

Related FAQ

Update Date	Category		Title
2023-10-26	Software	Application	To use RU and RW tool check RTC function
2023-10-26	Software	OS	How addition SNMP in Windows 10
2023-10-16	Software	OS	How to create a bootable Linux live USB flash drive
2023-09-20	Software	OS	How to disable screen saver from Linux OS
2023-09-20	Software	BIOS	Update BIOS on Windows OS

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