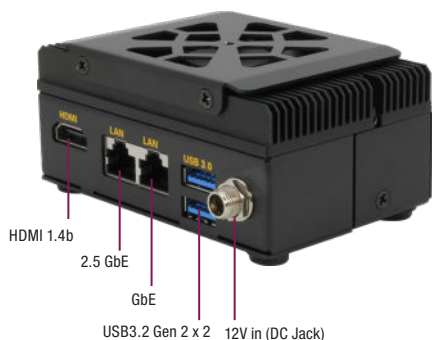


de next-RAP8-EZBOX PRELIMINARY

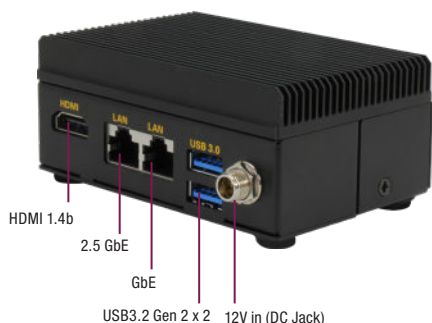


de next system with onboard 13th Gen. Intel® Core™ Series Processor

With Cooler



With Heatsink



Specifications

System	
Form Factor	de next system
CPU	13th Generation Intel® Core™ Processors Intel® Core™ i7-1365UE (10C/12T, 1.70 GHz, up to 15W)
Chipset	Integrated with Intel® SoC
Memory Type	Onboard LPDDR5x, up to 16GB
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Security	fTPM
RTC Battery	Lithium Battery 3V/240mAh
Dimensions	3.75" x 2.73" x 1.78" (95.5mm x 69.5mm x 45.4mm), with Cooler Version 3.75" x 2.73" x 1.67" (95.5mm x 69.5mm x 42.5mm), with Heatsink Version
OS Support	Windows 10 (64-bit) Ubuntu 22.04.3 (Kernel 6.2)
Power	
Power Requirement	+12V
Power Supply Type	AT/ATX
Connector	DC Jack Connector
Power Consumption	TBD
Display	
Controller	Intel® Iris® Xe Graphic Engine
LVDS/eDP	—
Display Interface	HDMI 1.2a x 1
Multiple Display	Single Display

Features

- Onboard 13th Gen. Intel® Core™ Series Processor, TDP 15W
- Onboard LPDDR5x up to 16GB
- HDMI 1.4b x 1
- 2.5GbE RJ45 x 1, GbE RJ45 x 1
- USB 3.2 Gen 2 x 2
- M.2 2280 M-Key x 1 (PCIe [x2])
- DC 12Vin

Audio	
Codec	—
Audio Interface	—
Speaker	—
External I/O	
Ethernet	Intel® Ethernet Connection I219-LM, GbE RJ-45 x 1 Intel® Ethernet Controller I226-LM, 2.5GbE x 1
USB	Rear I/O : USB3.2 Gen2 Type A x 2
Serial Port	—
Video	HDMI 1.2a x 1
Internal I/O	
USB	—
Serial Port	—
Video	—
SATA	—
Audio	—
DIO/GPIO	—
SMBus/I2C	—
Touch	—
Fan	4 Pin Smart Fan (with Cooler version only)
Sim	—
Front Panel	PWR LED, Power Button
Others	—
Expansion	
Mini PCIe/mSATA	—
M.2	M.2 2280 M key (PCIe[x2]) x 1
Others	—
Environment & Certification	
Operating Temp.	32°F ~ 140°F (0°C ~ 50°C) in 0.5 airflow/sec
Storage Temp.	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	—
EMC	CE/FCC Class A

Packing List

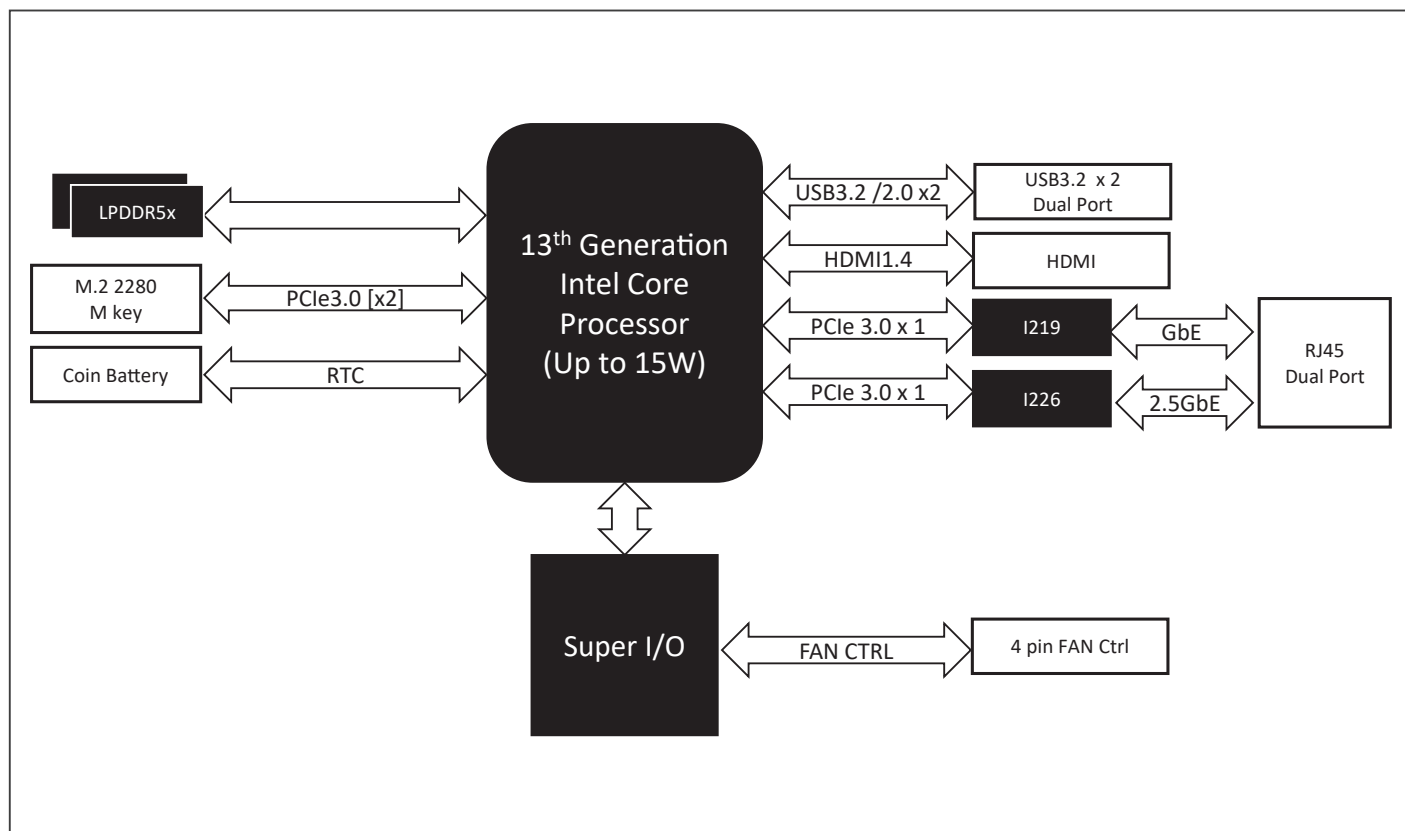
- de next-RAP-EZBOX x 1
- Wallmount x 1

Optional Accessories

Part Number	Description	QTY
1255900903	(TF)Power Adapter.100/240V.50/60Hz.12V/7.5A.90W.DELTA.DPS-90AB-3 A	1

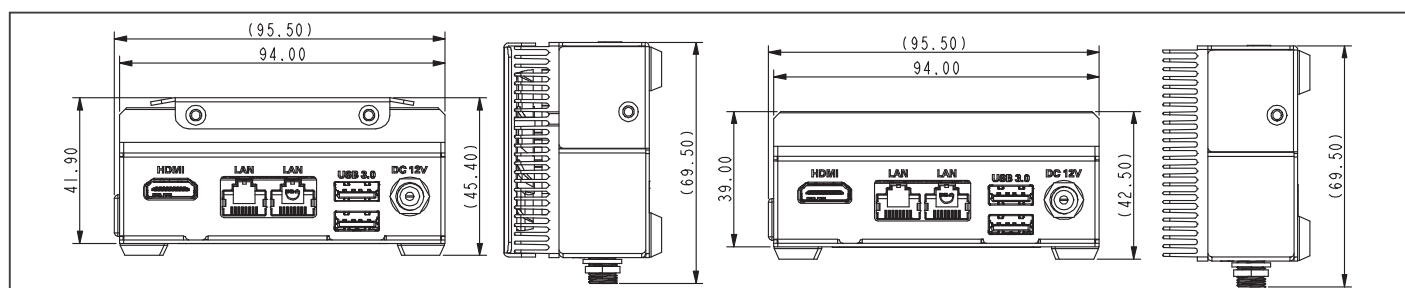


Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Display	Storage	LAN	USB	COM Port	Expansion	Power	Operating Temperature	Others
DENEXT-RAP8-EBX-A10-A001	Intel® Core™ i7-1365UE	Onboard LPDDR5x 16GB	HDMI 1.2 x 1	M.2 2280 M key (PCIe[x2] x 1)	2.5 GbE x 1, GbE x 1	USB 3.2 Gen 2 x 2	—	M.2 2280 M key (PCIe[x2] x 1)	+12V	0°C ~ 50°C	with CPU Cooler Version