

Features

- Motherboard Inside: ECM-RPLP 3.5" SBC
- Intel® Core™ i7/i5/i3 Mobile Processor supports up to 12 Cores, Intel® Raptor Lake P Platform
- 2 x DDR5 SODIMM sockets support up to 64GB
- Intel® Iris Xe Graphic/ Intel® UHD Graphics (CPU Dependent)
- 2 x DP++ support Dual Displays
- Integrated USB Type C Thunderbolt 4
- 2 x Intel® I226-LM Ethernet Controller (2.5 GbE), 2 x LAN Ports
- M.2 E-Key CNVi, M.2 M-Key NVMe, M.2 B-Key with Nano SIM Card Slot
- 4 x USB 3.2 (rear), 2 x USB 2.0 (front)
- 1 x COM Port
- 12V-24V DC-In
- Fanless Operation



Specifications

System	
Motherboard	ECM-RPLP3.5" SBC
CPU	Intel® Raptor Lake P Mobile Platform Intel® Core™ i7-1365UE (15W) Intel® Core™ i5-1335UE (15W) Intel® Core™ i3-1315UE (15W)
System Memory	2 x SODIMM sockets support DDR5 4800MHz up to 64GB
BIOS	AMI 256Mb uEFI BIOS
Display Chipset	Intel® Iris Xe Graphic: select Intel® Core™ i7 and i5 CPU Intel® UHD Graphics: select Intel® Core™ i3 CPU
Ethernet	2 x Intel® I226-LM Ethernet Controller (2.5 GbE)
Audio	Realtek HD Audio Codec
Expansion	1 x M.2 E-Key 2230, CNVi Support (PCIe x1 Channel & USB Signal) 1 x M.2 M-Key 2280 NVMe (Gen4 PCIe x4) 1 x M.2 B-Key 3042 with Nano SIM Card Socket (with PCIe x2, SATA, & USB Signal)
System Fan	Fanless
TPM	TPM 2.0
OS Support	Win 10 Win 11 64-bit Linux Ubuntu

I/O - Front	
USB	2 x USB 2.0
Power	1 x Power Button
Reset	1 x Reset Button
LED	1 x HDD LED
I/O - Rear	
Display	2 x DisplayPort++
USB	4 x USB 3.2
Thunderbolt	1 x USB Type C Thunderbolt 4
LAN	2 x RJ45
DC-in	1 x Barrel Type DC-In
SMA	2 x Knockout for SMA Connectors
COM	1 x COM Port



Power Requirement

Requirement	12V-24V Wide Range DC-In
Power Adapter	19V 90W Power Adapter

Mechanical and Environment

Operating Temp	0°C ~ 35°C (32°F ~ 95°F)
Storage Temp	-20° C ~ 70° C (-14°F ~ 158°F)
Operating Humidity	5% to 85% non-condensing
Cooling Design	Fanless through Aluminum Fin
Dimensions	8.46" x 5.75" x 1.97" (215x146x50mm)
Weight	4 lbs (1.8 kgs)
Certification Information	CE, FCC Class B Pending, RoHS Compliant

Ordering Info

NUC-RPLP-65U	Intel® Core™ i7-1365UE (15W) Processor Onboard
NUC-RPLP-45U	Intel® Core™ i5-1335UE (15W) Processor Onboard
NUC-RPLP-15U	Intel® Core™ i3-1315UE (15W) Processor Onboard
Included	19V 90W Power Adapter US Power Cord

* All product specifications and images are subject to change without notice. Last update: 05/07/2024



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