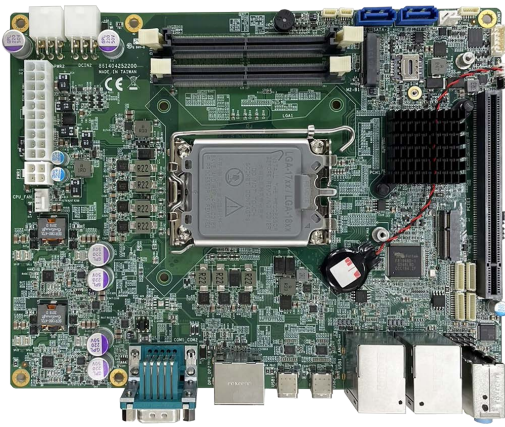


# ACDF-RPLO

Intel® Q670/H610 based Motherboard supports Intel® 13th Gen Raptor Lake-S/Alder Lake-S Core™ Processors with 4DP(2 Type C with PD 2.0), SATAIII, 4COM, 6USB, Dual LAN.



## Key Features

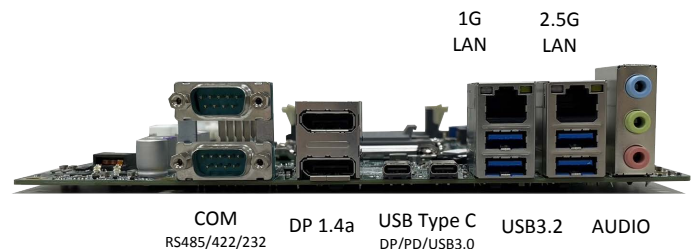
- Intel® 13th Gen Raptor Lake-S/Alder Lake-S Core™ series processor with Q670/H610 chipset
- Two 262-pin SO-DIMM up to 64GB DDR5 4800MHz SDRAM
- 4 x Display: 2DP 1.4a/ 2DP 1.4 via Type C
- 2 x Multi USB Type C (DP1.4/ PD2.0/ USB3.2)
- 1 xPCIe (x16), 1 x M.2 B+M-Key, 1 x M.2 M-key 2280
- 2 x SATA III, 4 x COM, 4x USB 3.2 and 2 x USB 2.0
- Two Intel® Gigabit Ethernet ports
- ATX Power support

## Product Specification

System Processor/Chipset	
Processor	Intel® 13th/12th Gen Raptor Lake-S/Alder Lake-S Core™ i9/i7/i5/i3/ Pentium/Celeron Processor, up to 65W
Chipset	Intel® Q670 or H610
BIOS	AMI SPI Flash ROM
Memory	
Technology	DDR5 SDRAM 4800MHz
Max. capacity	Up to 64GB
Socket	2 x 262-pin SO-DIMM
Display	
Graphics	Intel® UHD Graphics
Display interface	DP1.4a /DP1.4 (USB Type C)
Multi-display	2 x DP 1.4a 2 x DP 1.4 (USB Type C) H610 support Triple Display
Resolution	DP1.4a: 4096 x 2304 @ 60Hz (max.) DP1.4: 4096 x 2160 @ 60Hz (max.)
Ethernet	
Interface	10/100/1000/(2500 one port)Mbps
Controller	1 x Intel® I225LM 2.5Gigabit LAN 1 x Intel® I219LM 1.0Gigabit LAN support iAMT
Connector	2 x RJ45
Audio	
Interface	Line-out, Mic-in, Line-in
CODEC	Realtek ALC888S 7.1HD
Expansion Slot	
PCIe	1 x PCIe (x16)
WiFi	1 x M.2 E 2230
M.2	1 x M.2 M 2280 (NVME) 1 x M.2 B+M 2242/3052(SATA/USB/PCIe)w/SIM
SATA	
Max. data transfer rate	6.0 Gb/s
Port	2 x SATA III
I/O	
Audio	Line-out, Mic-in, Line-in (box-header)
USB	4 x USB 3.2 (Rear I/O) 2 x USB 2.0 (box-header)
COM	2 x RS-232 (box-header) 2 x RS-232/422/485 (Rear I/O)
Audio	1 x Line-in R/L, 1 x Line-out R/L, 1 x Mic-in R/L
Power Requirement	
PD Function	2 x PD2.0 up to 100W Max.
Power connector	ATX (24P+4P)
Power type	ATX

Security	TPM2.0 on board
Watchdog Timer	
Interval	Programmable 1 ~ 255 sec/min
Output	System reset
Environment	
Operating temperature	0°C ~ 60°C (32°F ~ 140°F) standard -20°C ~ 70°C (-4°F ~ 158°F) optional -40°C ~ 70°C (-40°F ~ 158°F) optional
Storage temperature	-20°C ~ 80°C (-4°F ~ 176°F)
Relative humidity	0% ~ 95% (non-condensing)
Form Factor	
Dimensions (L x W)	220mm x 170mm (8.66" x 6.69")

## Rear I/O



## Ordering Information

Part Number	Description
ACDF-RPLO-Q670	ODM, Intel 13th/12th Gen Q670, 4DP/TypeC, 2SATA/4COM/6USB/2LAN, ATX24+4P
ACDF-RPLO-H610	ODM, Intel 13th/12th Gen H610, 3DP/TypeC, 2SATA/4COM/6USB/2LAN, ATX24+4P

## Optional Accessories

Part Number	Description
TBD	I/O Shied
TBD	Cooler w/ FAN for LGA1700
VK00000700A9	SATA cable
VK00002600A9	SATA power cable