

IAC-PTL301

FHFL PCIe Smart NIC Card Powered By Intel® E830 Ethernet Network Controller



Images are for reference only. See ordering information for SKU details.

■ Features

- Intel® Xeon® 6 SoC Processor (Codenamed Granite Rapids D)
- 2CH ECC DDR5, Memory Down, 4800MT/s, Max 32GB
- 1x GbE RJ45 & 2x 100G QSFP56
- 1x Mini USB Console, 1x USB Type C
- 128GB NVME (PCIe*2) Onboard Storage, Onboard TPM
- Intel® QuickAssist Technology

■ Specifications

Platform	
Form Factor	FHFL PCIe Card
Processor Options	Intel® Xeon® 6 SoC Processor
CPU Socket	Onboard
Chipset	SoC
Security Acceleration	Intel® QuickAssist Technology
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	2CH ECC DDR5, Memory Down, 4800MT/s
Max. Capacity	32GB
Socket	N/A
Networking	
Ethernet Ports	1x GbE RJ45 & 2x 100G QSFP56
Bypass	N/A
NIC Module Slot	N/A
LOM	
IO Interface	1x GbE RJ-45 Shared With MGMT
OPMA Slot	N/A
I/O Interface	
Reset Button	1
LED	N/A
Power Button	N/A
Console	1x Mini USB
USB	1 x USB Type C
LCD Module	N/A
Display	N/A
Power Input	8-pin ATX Power Connector For 12V
Storage	
HDD/SSD Support	N/A

Onboard	128GB NVME (PCIe*2)
Expansion	
PCIe	N/A
Mini-PCIe	N/A
SIM Card Slot	N/A
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Onboard
Cooling	
Processor	Passive CPU Heatsink
System	N/A
Environmental Parameters	
Temperature	0~40°C Operating -40~70°C Non-Operating
Humidity (RH)	5~90% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	TBD
Weight	2 kg
Package Dimensions	
(WxDxH)	TBD
Weight	TBD
Power	
Type / Watts	N/A
Input	N/A
Certification	
Approvals and Compliance	RoHS, UL

■ Product I/O View

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A 1x USB Type C

B 1x GbE RJ45

C 2x 100G QSFP56

■ Ordering Information

IAC-PTL301A Intel Xeon 6 SoC, 1x GbE RJ45, 2x 100G QSFP56

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