

LIT-C4IPC-1300-A

4U HIGH-PERFORMANCE EDGE AI SERVER CHASSIS
INTEL® CORE™ 14TH/13TH/12TH GEN SUPPORT



Features

- Supports Intel® Core™ 14th/13th/12th Gen Processors (LGA1700)
- Industrial-grade ATX Motherboard for reliable operation
- Compact 480mm short-depth chassis for versatile deployment
- Supports up to 8 Expansion Slots, enabling multi-GPU AI computing
- Dual 120x38mm front intake fans for high-performance cooling
- Equipped with 1300W Platinum ATX 3.0 Power Supply
- Robust 1.2mm~2.0mm SGCC Steel Construction
- Flexible installation: Rackmount, Tower, or Desktop

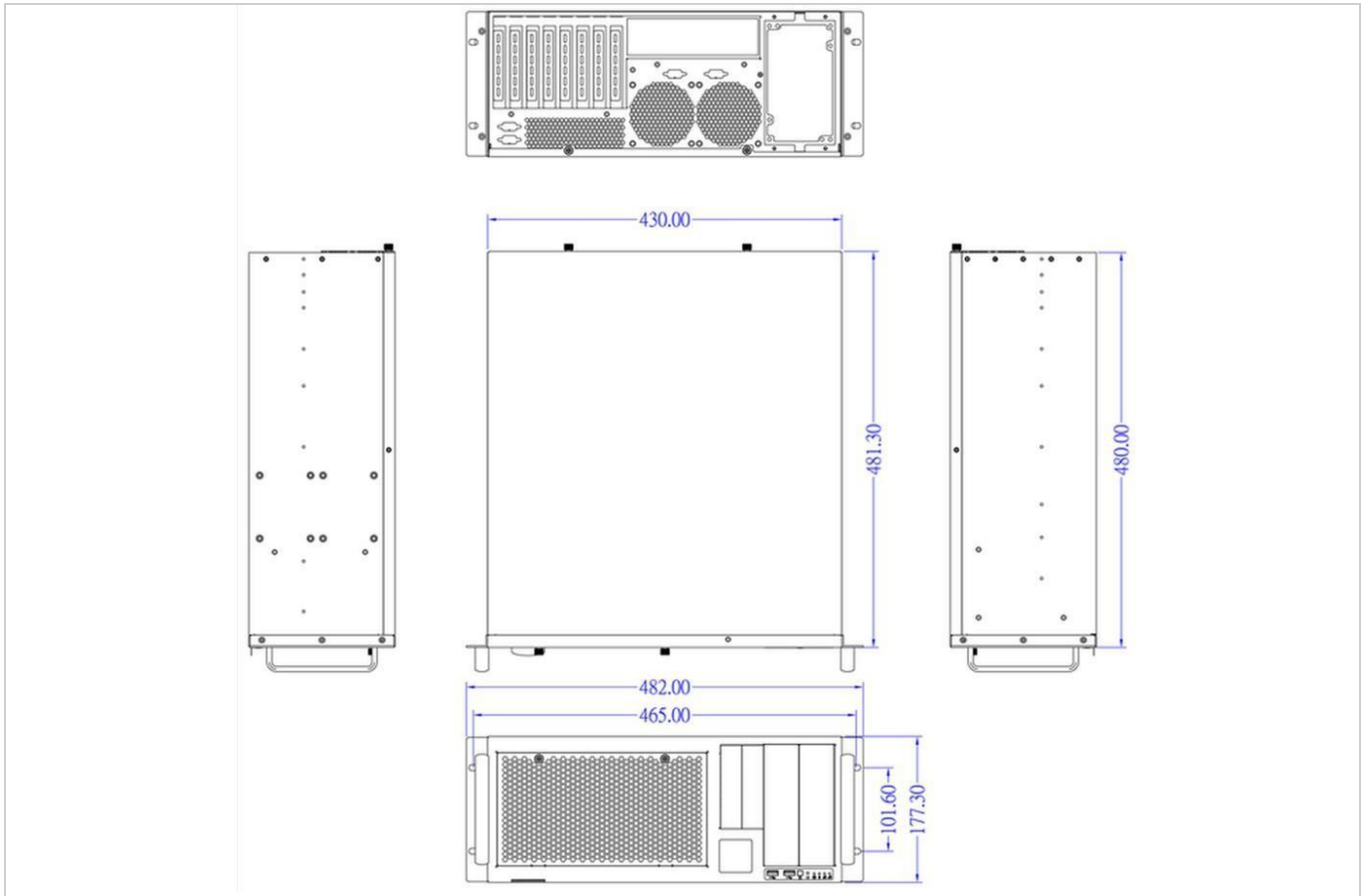
Introduction

LIT-C4IPC-1300-A is a specialized 4U rackmount server chassis engineered for Edge AI and Physical AI computing. Integrating a high-performance industrial motherboard based on the Intel® Q670 chipset, it supports the latest Intel® 12th/13th/14th Gen processors and up to 128GB of DDR5 memory. Its 480mm short-depth design enables installation in space-limited cabinets while providing massive expandability via an 8-slot rear panel, making it ideal for accommodating high-end AI GPUs. To ensure system stability under heavy AI workloads, the unit is powered by a 1300W Platinum ATX 3.0 power supply and cooled by dual high-static pressure 120mm front fans paired with a specialized 2U active CPU cooler (up to 8000RPM). Whether utilized for machine vision, inference, or deep learning, LIT-C4IPC-1300-A delivers a robust, reliable, and scalable platform.

Specifications

System Core		Storage Interface	
Processor	Intel® Core™ 14th/13th/12th Gen (LGA1700)	SATA	4x SATA 6Gb/s Ports (RAID 0/1/5/10)
Chipset	Intel® Q670	Chassis Bays	Ext: 2x 5.25", 2x 3.5" (or FDD) Int: 2x 3.5" HDD, 2x 2.5" SSD
Memory	4x DDR5 4800MHz DIMM, up to 128 GB	Max Capacity	Expandable up to 8x 2.5" SSDs or 3x 3.5" HDDs via optional 5.25" bay adapters.
Graphics	Integrated Intel® UHD Graphics 770		
Audio	Realtek High Definition Audio	Power & Thermal	
Expansion Slots & M.2		Power Supply	1300W 80+ Platinum ATX 3.0 Full Modular, PCIe 5.0 (12VHPW R)
Expansion Slots	1x PCIe x16(Gen 4x16), 1x PCIe x16(Gen 4x8) 2x PCIe x4(Gen 3x4), 3x PCIe x1(Gen 3x1)	System Cooling	Front: 2x 120x38mm High-Speed Fans Rear: 2x 80mm Fan Mounts (Optional)
M.2 Interface	2x M.2 2280/2242 M-Key (PCIe Gen4x4) 1x M.2 2230 E-Key (WiFi/ BT)	CPU Cooling	2U Active Cooler (8000RPM)
I/O Interface		Mechanical & Environmental	
Ethernet	2x 2.5GbE LAN (Intel® I226V/I226LM)	Dimensions	482mm (W) x 177mm (H) x 480mm (D)
USB	Rear: 4x USB 3.2 Gen1 Front: 2x USB 3.2 Gen1 headers Front: 4x USB 2.0 headers	Weight	Net: 10.0 kg / Gross: 11.1 kg
Display	2x HDMI 2.0, 1x DisplayPort 1.4, 1x D-sub	Chassis Rear	8-Slot Rear Panel (Max GPU Length: 413mm)
Serial	1x RS-232/422/485, 4x RS-232, 1x RS-232 (Rear)	OS Support	Windows 10/11, Linux

Dimensions



Optional Accessories & Ordering Information

A. Rear Cooling Options

A-1	80mm x 25mm two-ball bearing fan
A-2	80mm x 38mm two-ball bearing fan

B. Power Supply Options

B-1	Standard PS2 power supply
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C. Mounting Kits

C-1	65kg ultra-heavy duty 3-section slide rails
C-2	1234U common rear bracket

H. CPU Cooler

H	2U CPU coolers (2U/3U/4U compatible)
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D. GPU Air Duct Options

D-1	120mm x 38mm 2nd slot GPU fan air duct
D-2	120mm x 38mm 5th slot GPU fan air duct

E. 3.5" Storage Options

E	3.5" FDD space SSD / HDD mobile rack
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F. 5.25" Storage Options

F	5.25" space SSD / HDD mobile rack
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G. Cabling

G	Storage cable
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Li Tang Technology INC.

14F,-7, No. 33, Sec. 2, Jianguo N Rd, Zhongshan Dis. , Taipei City, 10479, Taiwan

Tel : +886-2-2506-6633

Fax : +886-2-2506-5080

WEB:<http://www.lit-tech.com.tw>