cincoze™

GEB-3601

Dual GPU Expansion Box

Key Benefits

- **Dual GPU Expansion** with two PCIe x16 slots (x8 signal) supporting full-length GPU cards
- **Additional Expansion** through PCIe x4 and x1 slots for add-on cards up to 25 W each
- **High GPU Power** supporting up to 600 W combined GPU power at 48 V DC
- **Secure GPU Mounting** with a patented adjustable card retainer for high-vibration environments
- **Rugged Reliability** with intelligent cooling and MIL-STD-810H shock and vibration testing with GP Series systems



Overview

The GEB-3601 is a rugged dual GPU expansion box designed to extend the graphics processing capabilities of compatible Cincoze GP Series computers. Featuring two PCIe x16 slots with x8 signalling, alongside PCIe x4 and x1 expansion slots, it supports demanding industrial computing configurations. Intelligent cooling and a patented adjustable GPU card retainer provide thermal management and mechanical stability, while support for up to 600 W combined GPU power at 48 V DC enables high-performance GPU integration.

Certifications

EN 50121-3-2 MIL-STD-810H EN 62368-1

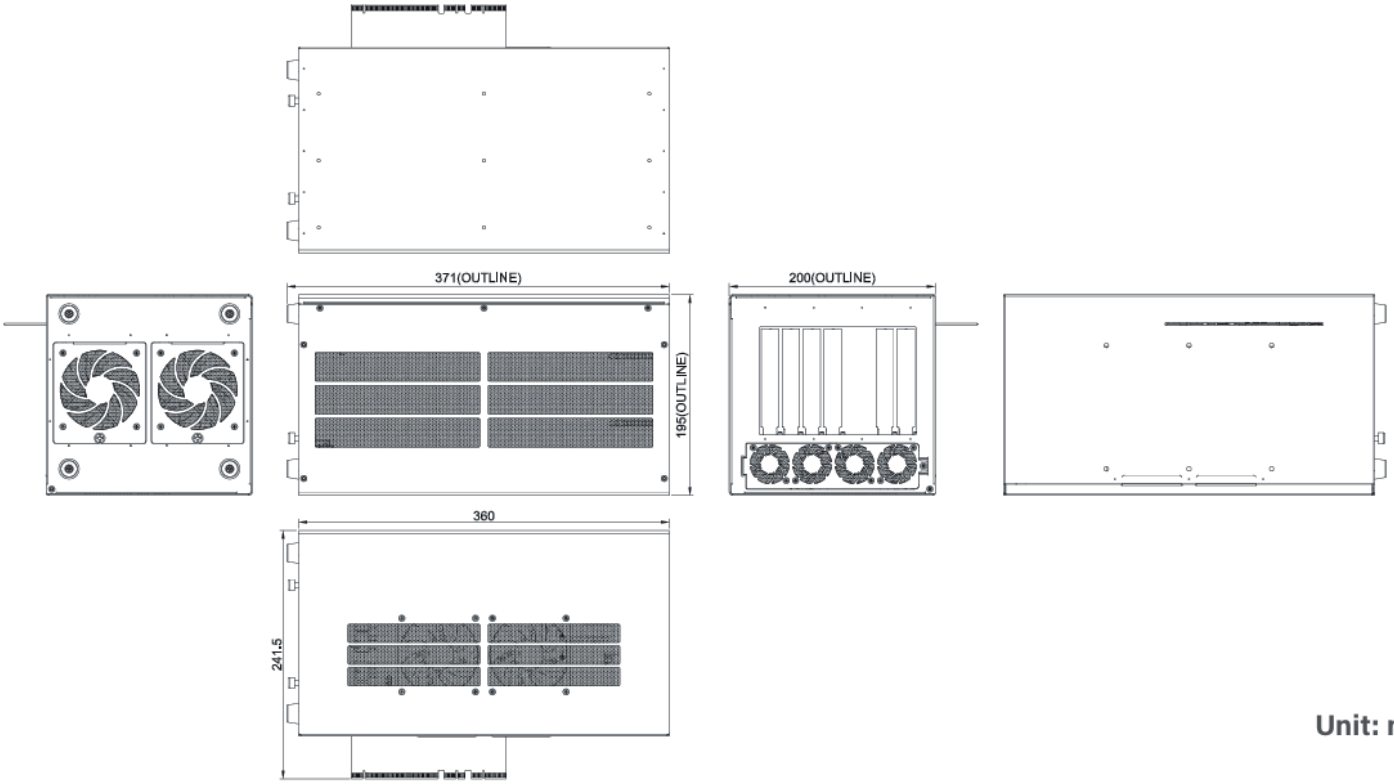




Specifications

Expansion Slot	▪ 2 x PCIe x 16 Slot (PCIe x 8 Signal) for GPU Card ▪ 1 x PCIe x 4 Slot (Max. 25W) ▪ 1 x PCIe x 1 Slot (Max. 25W) * Single-GPU configuration: 300 W @ 24 VDC * Dual-GPU configuration: 500 W @ 24 VDC or 600 W @ 48 VDC (each GPU ≤ 300 W)
GPU Card Dimension	▪ Card Length: 328mm ▪ Card Height: 64mm (Standard Triple-Deck) ▪ Card Width: 138mm
Internal USB	▪ 1 x USB2.0, Type A
Internal Power Connector	▪ 4 x 8-Pin Connector for GPU Card
Weight Information	▪ 5.2 kg
Dimension (W x D x H)	▪ 200 x 195 x 360 mm
MTBF	▪ 1,661,177 hr
Shock	▪ MIL-STD-810H * Test with system (w/ GP series)
Vibration	▪ MIL-STD-810H * Test with system (w/ GP series)
EMC	▪ CE, UKCA, FCC, ICES-003 Class A * Test with system (w/ GP series)
EMI	▪ CISPR 32 Conducted & Radiated: Class A ▪ EN/BS EN 50121-3-2 Conducted & Radiated: Class A ▪ EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A ▪ EN/BS EN 61000-3-3 Voltage fluctuations & flicker ▪ FCC 47 CFR Part 15B, ICES-003 Conducted & Radiated: Class A
EMS	▪ EN/IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV ▪ EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 20 V/m ▪ EN/IEC 61000-4-4 EFT: AC Power: 2 kV; Signal: 2 kV ▪ EN/IEC 61000-4-5 Surges: AC Power: 2 kV ▪ EN/IEC 61000-4-6 CS: 10V ▪ EN/IEC 61000-4-8 PFMF: 50 Hz, 1A/m ▪ EN/IEC 61000-4-11 Voltage Dips & Voltage Interruptions: 0.5 cycles at 50 Hz
Safety	▪ UL, cUL, CB, IEC, EN62368-1
Railway	▪ EMC: EN 50155: 2021 Clause 4.4.6, 13.4.9 - EN 50121-1 : 2017 - EN 50121-3-2: 2016 + A1: 2019 * Test with system (w/ GP series)
In-Vehicle	▪ E-mark * Test with system (w/ GP series)

Dimensions



Unit: mm

Ordering Information

Available Models

GEB-3601-R10 	GPU Expansion Box with 2 x PCIe x 16 (Signal PCIe x 8), 1 x PCIe x 4 and 1 x PCIe x 1 Slots

Package Checklist

	Wall Mount Bracket
	4 x 8 Pin to 6+2 Pin GPU Power Cable
	2 x Screw Pack
	1 x GPU Card Retainer Screw Pack
	1 x Rubber Foot Kit
	4 x Sponge

Compatible GPU List

Model	Architecture	Dimesion (D x W mm)	Slot	Power Consumption
RTX PRO 6000 Blackwell Max-Q Workstation Edition	Blackwell	266.7 x 111.8	dual slot	300W
RTX PRO 5000 Blackwell	Blackwell	266.7 x 111.8	dual slot	300W
RTX PRO 4500 Blackwell	Blackwell	241.3 x 111.8	dual slot	200W
RTX PRO 4000 Blackwell	Blackwell	266.7 x 111.8	single slot	140W
RTX PRO 4000 SFF Blackwell	Blackwell	167.6 x 68.6	dual slot	70W
RTX PRO 2000 Blackwell	Blackwell	167.6 x 68.6	dual slot	70W
RTX 6000	Ada Lovelace	266.7 x 111.8	dual slot	300W
RTX 5000	Ada Lovelace	266.7 x 111.8	dual slot	250W
RTX 4500	Ada Lovelace	266.7 x 111.8	dual slot	210W
A800 40GB Active	Ampere	266.7 x 111.8	single slot	130W
RTX A6000	Ampere	266.7 x 111.8	dual slot	70W
RTX A5500	Ampere	266.7 x 111.8	dual slot	230W
RTX A5000	Ampere	266.7 x 111.8	dual slot	230W
RTX A4500	Ampere	266.7 x 111.8	dual slot	200W
RTX A4000	Ampere	241.3 x 111.8	single slot	140W
RTX A2000 | RTX A2000 12GB	Ampere	167.6 x 68.6	dual slot	70W

**An optional GPU expansion box is required for GPU usage.

cincoze™

Delivering end-to-end, like no one else.
Bring us your challenge & experience the difference.

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