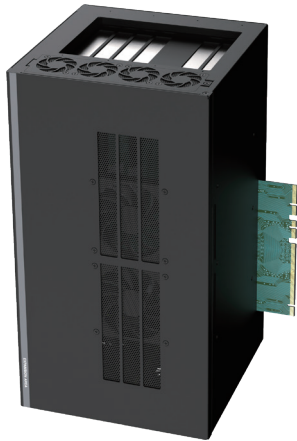


# GEB-3601



GPU Expansion Box with 2 x PCIe x16 (Signal PCIe x8),  
1 x PCIe x4 and 1 x PCIe x1 Slots

## Key Features

- Supports NVIDIA RTX 30 Series GPU Card
- Supports 2 x PCIe x16 Slots for full-length GPU cards Expansion
- Supports 1 x PCIe x4 Slot and 1 x PCIe x1 slot for Add-on cards
- Intelligent Cooling Design for High Performance GPU Card
- Military Standard Shock & Vibration Proof
- Designed with adjustable GPU card retainer  
(TW Patent Certificate No: I763318)  
(US Patent Certificate No: US 11,470,738 B2)

## Certifications



EN 50121-3-2



MIL-STD-810H



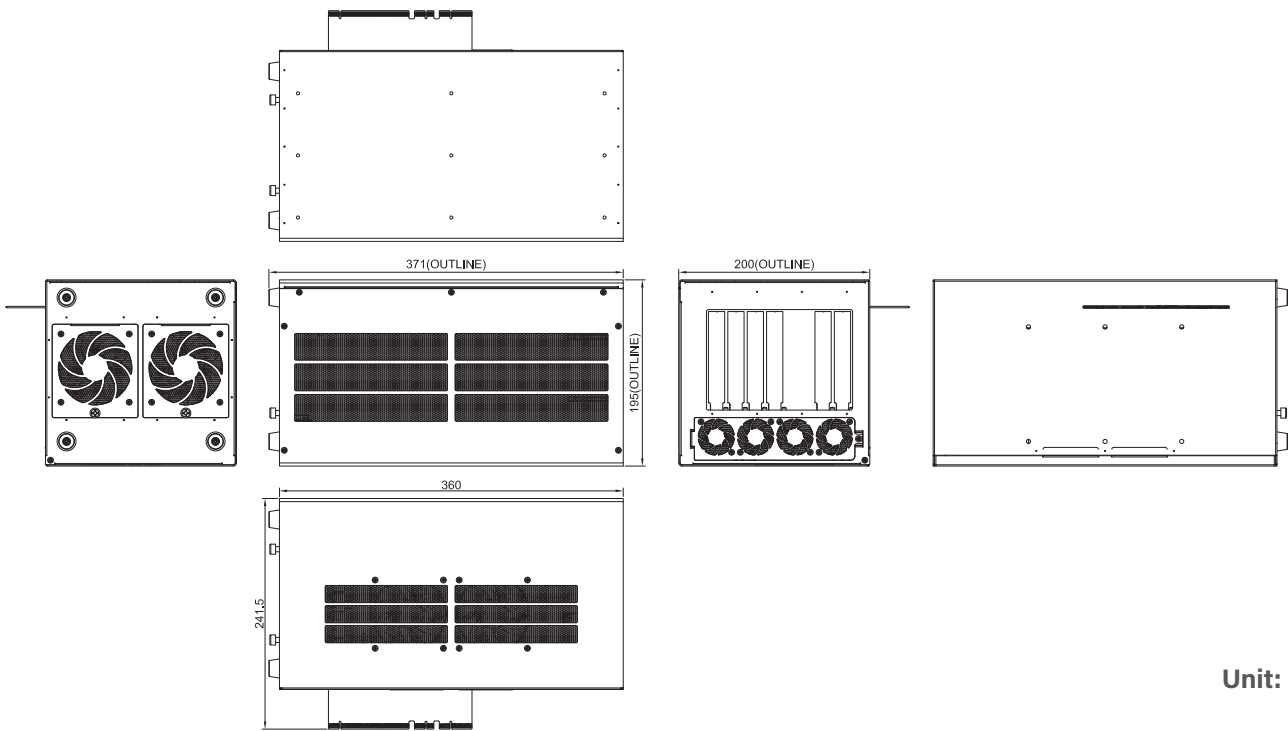
EN 62368-1



## Specifications

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Expansion Slot           | <ul style="list-style-type: none"><li>• 2 x PCIe x 16 Slot ( PCIe x 8 Signal ) for GPU Card<ul style="list-style-type: none"><li>* 1 x GPU: Max 300W</li><li>* 2 x GPU: Max 500W</li></ul></li><li>• 1 x PCIe x 4 Slot (Max. 25W)</li><li>• 1 x PCIe x 1 Slot (Max. 25W)</li></ul>                                                                                                                                                                  |
| GPU Card Dimension       | <ul style="list-style-type: none"><li>• Card Length: 328mm</li><li>• Card Height: 64mm ( Standard Triple-Deck )</li><li>• Card Width: 138mm</li></ul>                                                                                                                                                                                                                                                                                               |
| Internal USB             | <ul style="list-style-type: none"><li>• 1 x USB2.0, Type A</li></ul>                                                                                                                                                                                                                                                                                                                                                                                |
| Internal Power Connector | <ul style="list-style-type: none"><li>• 4 x 8-Pin Connector for GPU Card</li></ul>                                                                                                                                                                                                                                                                                                                                                                  |
| Weight Information       | <ul style="list-style-type: none"><li>• 5.2 kg</li></ul>                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimension ( W x D x H )  | <ul style="list-style-type: none"><li>• 200 x 195 x 360 mm</li></ul>                                                                                                                                                                                                                                                                                                                                                                                |
| MTBF                     | <ul style="list-style-type: none"><li>• 1,661,177 hr</li></ul>                                                                                                                                                                                                                                                                                                                                                                                      |
| Shock                    | <ul style="list-style-type: none"><li>• MIL-STD-810H<ul style="list-style-type: none"><li>* Test with system (w/ GP series)</li></ul></li></ul>                                                                                                                                                                                                                                                                                                     |
| Vibration                | <ul style="list-style-type: none"><li>• MIL-STD-810H<ul style="list-style-type: none"><li>* Test with system (w/ GP series)</li></ul></li></ul>                                                                                                                                                                                                                                                                                                     |
| EMC                      | <ul style="list-style-type: none"><li>• CE, UKCA, FCC, ICES-003 Class A<ul style="list-style-type: none"><li>* Test with system (w/ GP series)</li></ul></li></ul>                                                                                                                                                                                                                                                                                  |
| EMI                      | <ul style="list-style-type: none"><li>• CISPR 32 Conducted &amp; Radiated: Class A</li><li>• EN/BS EN 50121-3-2 Conducted &amp; Radiated: Class A</li><li>• EN/BS EN IEC 61000-3-2 Harmonic current emissions: Class A</li><li>• EN/BS EN 61000-3-3 Voltage fluctuations &amp; flicker</li><li>• FCC 47 CFR Part 15B, ICES-003 Conducted &amp; Radiated: Class A</li></ul>                                                                          |
| EMS                      | <ul style="list-style-type: none"><li>• EN/IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV</li><li>• EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 20 V/m</li><li>• EN/IEC 61000-4-4 EFT: AC Power: 2 kV; Signal: 2 kV</li><li>• EN/IEC 61000-4-5 Surges: AC Power: 2 kV</li><li>• EN/IEC 61000-4-6 CS: 10V</li><li>• EN/IEC 61000-4-8 PFMF: 50 Hz, 1A/m</li><li>• EN/IEC 61000-4-11 Voltage Dips &amp; Voltage Interruptions: 0.5 cycles at 50 Hz</li></ul> |
| Safety                   | <ul style="list-style-type: none"><li>• UL, cUL, CB, IEC, EN62368-1</li></ul>                                                                                                                                                                                                                                                                                                                                                                       |
| Railway                  | <ul style="list-style-type: none"><li>• EMC:<ul style="list-style-type: none"><li>EN 50155: 2021 Clause 4.4.6, 13.4.9</li><li>- EN 50121-1 : 2017</li><li>- EN 50121-3-2: 2016 + A1: 2019</li></ul></li><li>* Test with system (w/ GP series)</li></ul>                                                                                                                                                                                             |
| In-Vehicle               | <ul style="list-style-type: none"><li>• E-mark<ul style="list-style-type: none"><li>* Test with system (w/ GP series)</li></ul></li></ul>                                                                                                                                                                                                                                                                                                           |

Dimensions

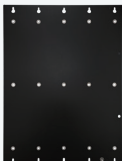


Ordering Information

Available Models

|                                                                                                                                |                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <div><div>GEB-3601-R10</div><div></div></div> | GPU Expansion Box with 2 x PCIe x 16 (Signal PCIe x 8),<br>1 x PCIe x 4 and 1 x PCIe x 1 Slots |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|

Package Checklist

|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <div></div>                                                                                                                                                                                                                                                                                                                        | Wall Mount Bracket                   |
| <div></div>                                                                                                                                                                                                                                                                                                                       | 4 x 8 Pin to 6+2 Pin GPU Power Cable |
| <div><div> x 9</div><div> x 6</div></div>                                                                                                                                                                                                     | 2 x Screw Pack                       |
| <div><div> x 2</div><div> x 2</div><div> x 4</div><div> x 4</div></div> | 1 x GPU Card Retainer Screw Pack     |
| <div></div>                                                                                                                                                                                                                                                                                                                      | 1 x Rubber Foot Kit                  |
| <div></div>                                                                                                                                                                                                                                                                                                                      | 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 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              |
| RTX 4000                                         | Ada Lovelace | 241.3 x 111.8       | single slot | 130W              |
| RTX 4000 SFF                                     | Ada Lovelace | 167.6 x 68.6        | dual slot   | 70W               |
| RTX 2000                                         | Ada Lovelace | 167.6 x 68.6        | dual slot   | 70W               |
| A800 40GB Active                                 | Ampere       | 266.7 x 111.8       | dual slot   | 240W              |
| RTX A6000                                        | Ampere       | 266.7 x 111.8       | dual slot   | 300W              |
| 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               |