MIC-75G30

**Features**
- Offering powerful GPU solution with dual NVIDIA 250W, 2.75-slot width/331mm length GPU cards for new AI application
- Triple 24VDC power inputs, provide independent power for GPU cards and MIC-7 system
- Intelligent power status indicating LED for system and GPU card independently
- Ruggedized design to sustain dual GPU cards with 1 Grms Op. vibration validation
- Dual front accessible storage bay for easy swap
- Support up to 40C operating temperature
- IP30 rating with fan filter, suitable for outdoor or industrial environment
- Compact size design

**Introduction**

MIC-75G30 supports up to dual NVIDIA high performance 250W fan-based cards. Robust power design ensures MIC-7 systems and GPU card’s reliability under high power consumption application. Suitable for Video AI Edge computing, 3D image processing and vision application.

**Specification**

| Expansion slot | Slot 1: Blank  
|                | Slot 2: PCIe x16 (signal PCIe x8) for GPU card  
|                | Slot 3: Blank  
|                | Slot 4: PCIe x16 (signal PCIe x8) for GPU card  
|                | Slot 5: PCIe x4  
| SATA Connector | Input: Triple 24 VDC (one on MIC-7000 system, two on MIC-75G30 for dual 250W GPU cards)  
|                | Power consumption: Typical: 755W (Tested with dual 250W GPU card with MIC-770Q, 65W CPU and 4-port PoE cards)  
|                | Power solution supports up to maximum 1,200W (Tested with dual 250W GPU card’s peak power consumption)  
|                | 4 x 6-pin Conn. for GPU card (12VDC, 17A for each Conn.)  
|                | 1 x 4-pin Conn. for add-on card (12VDC, 5A)  
| Storage | 1 x SATA Signal, 1 x SATA Power  
| Power solution supports up to maximum 1,200W (Tested with dual 250W GPU card’s peak power consumption)  
|               | 4 x 6-pin Conn. for GPU card (12VDC, 17A for each Conn.)  
|               | 1 x 4-pin Conn. for add-on card (12VDC, 5A)  
| GPU Card Dimension | Thickness: 62.96 mm (3-slot), Length: 331 mm  
| LED | Indicator LED for power status  
| Environment | Operating Temp.: 0–40 °C (35W CPU w/ industrial SSD), with 0.7m/sec air flow  
|                | Vibration: With SSD: 1 Grms @ 5–500 Hz, random, 1 hr/axis  
|                | Shock: With SSD: 10G, IEC-68-2-27, half-sine wave, 11 ms duration  
| Mechanical | MIC-75G30 N.W. 5 kg; G.W.: 7 kg  
|                | Dimension (W x H x D): 280 x 192 x 384 mm  
| Fan | 1 x 12025 cooling fan embedded (2200 RPM, 82 CFM, Max. 36.5 dB)  

**Front View**

Dual swapable HDD/SSD storage bay  
Slot5: PCIe x4  
Slot4: PCIe x16 (signal PCIe x8) for GPU card  
Slot3: Blank (space for triple-deck GPU card)  
Dual Independent 24VDC power for GPU cards, support up to 1,200W Max. peak power currency  
Slot2: PCIe x16 (signal PCIe x8) for GPU card  
Slot1: Blank (space for triple-deck GPU card)
**Mounting Type and Dimensions**

Example: MIC-770 + MIC-75G30  
W x H x D: 280 x 192 x 384 mm  
Note: By using MIC-7500 and MIC-7900, width will be decreased by 4mm.

**GPU Card Dimension Guide**

**Packing List**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1652003234</td>
<td>4-pin phoenix connector</td>
<td>2</td>
</tr>
<tr>
<td>1700017838</td>
<td>SATA cable (30cm)</td>
<td>1</td>
</tr>
<tr>
<td>1700020978-01</td>
<td>SATA cable (40cm)</td>
<td>1</td>
</tr>
<tr>
<td>1700024985-01</td>
<td>HDD BP power cable</td>
<td>1</td>
</tr>
<tr>
<td>1700023022-01</td>
<td>GPU power cable (6 to 6/8 Pin)</td>
<td>4</td>
</tr>
<tr>
<td>1960094390N000</td>
<td>GPU bracket</td>
<td>2</td>
</tr>
<tr>
<td>1930005673-11</td>
<td>Screw for GPU bracket</td>
<td>10</td>
</tr>
<tr>
<td>1900017585T000</td>
<td>Shock proof rubber</td>
<td>5</td>
</tr>
<tr>
<td>1960005597003</td>
<td>Mounting bracket (L)</td>
<td>1</td>
</tr>
<tr>
<td>196004392N001</td>
<td>Mounting bracket (R)</td>
<td>1</td>
</tr>
<tr>
<td>1930007259-01</td>
<td>Screw for mounting bracket</td>
<td>6</td>
</tr>
<tr>
<td>20415G3000</td>
<td>MIC-75G30 Start-up manual</td>
<td>1</td>
</tr>
</tbody>
</table>

**Optional Accessories**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>XMIC-HRPG-1000-24*</td>
<td>100-240V, 1008W, 24V PSU</td>
<td></td>
</tr>
<tr>
<td>1700031413-01</td>
<td>PSU DC-DC power cable, 1M</td>
<td></td>
</tr>
<tr>
<td>1700029720-01</td>
<td>PSU power cord (USA), AC Conn., 3-pin, 10A, 125V, UL/CSA, 1.83M</td>
<td></td>
</tr>
<tr>
<td>1700030520-01</td>
<td>PSU power cord (CN), AC Conn., 3-pin, 10A, 250V, CCC, 1.5M</td>
<td></td>
</tr>
<tr>
<td>1700031408-01</td>
<td>M cable conn 3P/G-TEM*3 80CM (EU)</td>
<td></td>
</tr>
<tr>
<td>1700022074-11</td>
<td>4-pin 12VDC power cable (40cm, for PoE card)</td>
<td></td>
</tr>
</tbody>
</table>

* Recommend to use for powering MIC-75G30 + MIC-7000.

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC-75G30-00A1</td>
<td>Dual GPU expansion i-Module with 2x PCIe x16 slots (signal PCIe x8), 1x PCIe x4, dual 2.5° swappable storage bay</td>
</tr>
</tbody>
</table>
Power Supply Cabling Guide

AC-DC PSU power cord (1.83M)
P/N: 1700029720-01 (USA)
1700030520-01 (CN)
1700031408-01 (EU)

DC-DC PSU power cord: 1700031413-01

PSU pin-out and dimension (unit: mm)

<table>
<thead>
<tr>
<th>AC Input Terminal Pin No.</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AC/L</td>
</tr>
<tr>
<td>2</td>
<td>AC/N</td>
</tr>
<tr>
<td>3</td>
<td>FG</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DC Output Terminal Pin No.</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1–3</td>
<td>+V</td>
</tr>
<tr>
<td>4–6</td>
<td>-V</td>
</tr>
</tbody>
</table>

PSU power cord & Pin Definition (connect from AC to DC)

- E: Green
- L: Black
- N: White

1830±35mm