AI Hardware Solution

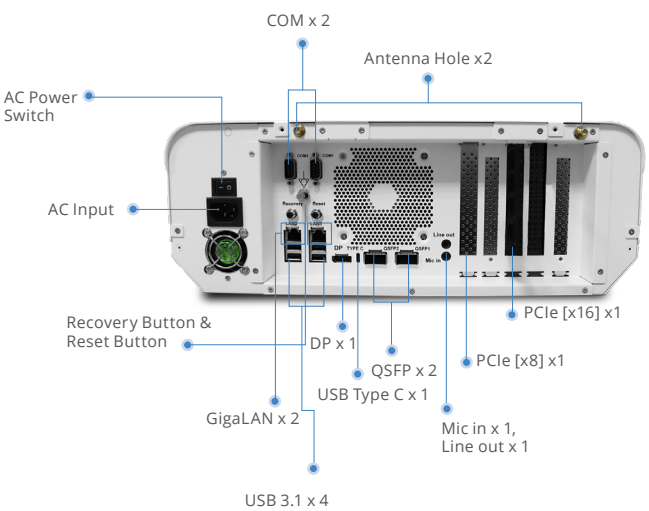
# ACCEL-JS3000

**Preliminary**

NVIDIA IGX Thor platform for Medical AI imaging application








## Features

- NVIDIA IGX Thor T7000 Blackwell Platform, 14-Core Arm Neoverse-V3AE System on Chip
- AI Performance up to 5581 TOPS with RTX PRO 6000 Blackwell GPU expansion
- NVIDIA ConnectX-7 High-Speed Edge Networking, 2 × 200GbE
- Enhanced functional safety architecture for mission-critical AI applications
- System power design with 900W Medical PSU
- Excellent thermal management to maximize performance while minimizing acoustic noise
- 4K SDI capture card integration
- Front panel display support

## Specifications

### MAIN SPECIFICATIONS

| | |
|---|---|
| AI Engine | NVIDIA IGX Thor Soc Industrial Module |
| CPU | 14-core Arm Neoverse-V3AE |
| System Memory | 128GB 256-bit LPDDR5 204.8 GB/s |
| Graphics | NVIDIA Blackwell Architecture GPU/2560 Nvidia CUDA Core/5th Gen Tensor Cores |
| Storage | M.2 NVMe SSD x 1 / 2.5" SATA SSD x2 |
| OS Support | IGX OS 2.x |
| Front Screen (Optional) | 7" LED Panel with P-Cap Touch , 400nits, 1280 x 800 |
| Safety | Functional Safety Island (FSI) on the Thor SoC |
| NVIDIA BMC | NVIDIA BMC architecture |

### I/O

| | |
|---|---|
| USB | 4 x USB 3.2 Gen 2 Type A<br>1 x USB 3.2 Gen 2 Type C |
| Ethernet | 2 x 200GbE QSFP112 ports<br>2 x 1GbE RJ45 |
| Video Out | 1 x Display Port 1.4a |
| Video input (optional) | 1 x 12G SDI +1 x HDMI 2.0<br>HDMI 2.0(Max resolution up to 4096×2160@60fps)<br>12G SDI(Max resolution up to 4096×2160@60fps) |
| Audio | 3 x 3.5mm AU Jacks(MIC, Line-in and Speaker out) |
| Serial Port | 2 x COM Port |
| Function Port | Grounding pin x 1 |
| Front I/O | 1 x Power Button with Power LED indicator<br>2 x USB 2.0 Type A " |
| Wireless Communication | 1 x M.2 Key E Key for Wireless Module<br>1 x M.2 Key B for 5G/LTE module " |
| Expansion I/O | 1 x PCIe Gen5 Double Width Slot (x16) for GPU Card<br>1 x PCIe Gen5 Single Width Slot (x8) |

### MECHANICAL AND ENVIRONMENTAL

| | |
|---|---|
| Power | 100V to 240V AC Input, 900W Medical Power Supply |
| Operating temperature | 0°C ~ 35°C(32°F ~ 95°F) |
| Storage temperature | -20°C ~ 60°C(-4°F ~ 140°F) |
| Dimension (WxDxH) | 400 x 166 x 407 mm |
| Package Size | 560 x 305 x 628 mm |
| Gross Weight | TBD |
| Net Weight | TBD |
| Certifications | CE: EN 60601-1-2:2015(V4.0),<br>EN 60601-1:2006/A1:2013/A12:2014 (V3.1)<br>FCC: Part 18 Class B<br>UL: ANSI/AAMI ES60601-1:2012 (V3.1)<br>cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) |



※ All product specifications are subject to change without notice