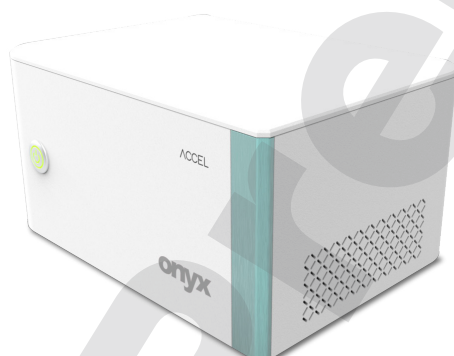
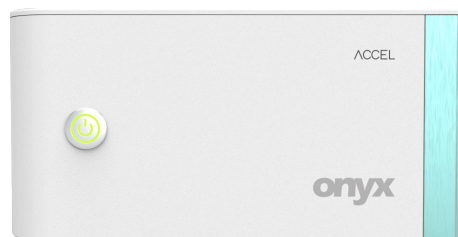


AI Inference Hardware

ACCEL-JS800

NVIDIA Jetson Orin NX platform for Medical AI imaging application

**Features**

- NVIDIA Jetson Orin NX platform with 16GB LPDDR5 or 8GB LPDDR5
- Powerful AI computing performance with up to 100 TOPS
- Support 12G SDI or HDMI 2.0 video output
- Compact size suitable for space limited area
- Support 3G SDI or 12G SDI video input
- Medical certified with CE/FCC/UL
- Support built in speaker x 2
- Fanless Design

Specifications**MAIN SPECIFICATIONS**

AI Engine	NVIDIA Jetson Orin NX
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 (ACCEL-JS800-N1) 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3 (ACCEL-JS800-N2)
System Memory	8GB or 16GB 128-bit LPDDR5 102.4 GB/s
Graphics	1024-core NVIDIA Ampere GPU with 32 Tensor Cores
Storage	NVMe M.2 SSD , 2.5" SATA SSD
OS Support	Linux 20.04 with Jetpack 5.0
Security	TPM 2.0
Speaker	2W x Speaker x 2

I/O

USB	USB Type C x 2 for USB 3.2 USB Type A x 2 for USB 2.0
Ethernet	GigaLAN x 1
Video Out	HDMI 2.0 x 1 or 12G SDI x 1
Video input	3G SDI or 12G SDI, 3G SDI(Max resolution up to 1920×1080p@60fps), 12G SDI(Max resolution up to 4096×2160@60fps)
Audio	Mic-in x 1 , Line out x 1
Serial Port	RS232 x 1
Function Port	Reset Button x 1 ,Recovery Button x 1, Grounding pin x 1
DC in	12V DC Jack
Front I/O	Power Button with Power LED indicator x 1
Wireless Communication	802.11a/b/g/n/ac/ax.w/BT5.2 (Optional)

MECHANICAL AND ENVIRONMENTAL

Power	Medical adapter 12V 65W
Operating temperature	0°C ~ 35°C(32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C(-4°F ~ 140°F)
Dimension	TBC
Package Size	TBC
Gross Weight	TBC
Net Weight	TBC
Certifications	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class B, Part 15 Class B, UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)