

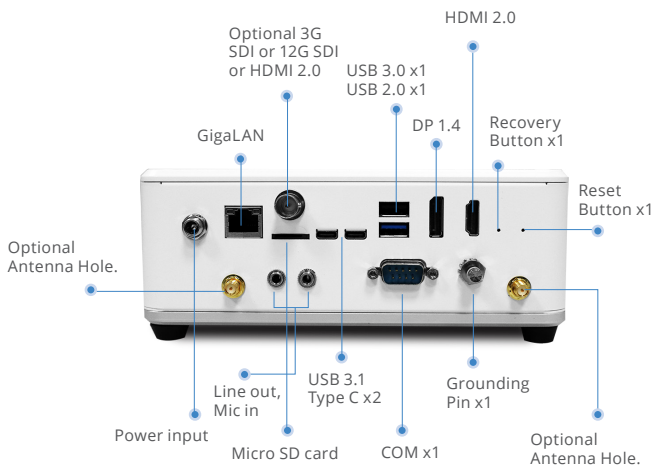
# ACCEL-JS500 / JS500i



NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform for Medical AI imaging application



Power button



## Features

- NVIDIA Jetson AGX Xavier or AGX Xavier Industrial Platform for Medical AI usage.
- Support AGX Xavier Industrial Platform with 10 years Longevity
- 512-core Volta GPU with Tensor Cores
- Support optional 3G or 12G or HDMI 2.0 input for image capture
- Support Dual 4K display output (HDMI and Display port)
- Support internal speaker
- Medical Certification
- Palm size dimension with powerful AI computing

## Specifications

### MAIN SPECIFICATIONS

|               | ACCEL-JS500  | ACCEL-JS500i   |
|---------------|--|--|
| AI Engine     | NVIDIA Jetson AGX Xavier   | NVIDIA Jetson AGX Xavier Industrial  |
| CPU           | 8-Core ARM v8.2 64bit CPU, 8MB L2 + 4MB L3                                     |  |
| System Memory | 32GB 256-bit LPDDR4 w/ECC  |  |
| Graphics      | 512 Core Volta GPU with Tensor Cores   |  |
| Storage       | 64GB eMMC Onboard  |  |
|               | Micro SD card Slot   |  |
|               | M.2 M Key 2280<br>(Only for ACCEL-JS500-N1-A1-0010 and ACCEL-JS500-N1-A2-0010) | M.2 M Key 2280<br>(Only for ACCEL-JS500i-N1-A1-0010 and ACCEL-JS500i-N1-A2-0010) |
| OS support    | Linux with Jetpack OS  |  |
| Security      | TPM 2.0  |  |
| Speaker       | 2W x Speaker x 2   |  |

### I/O

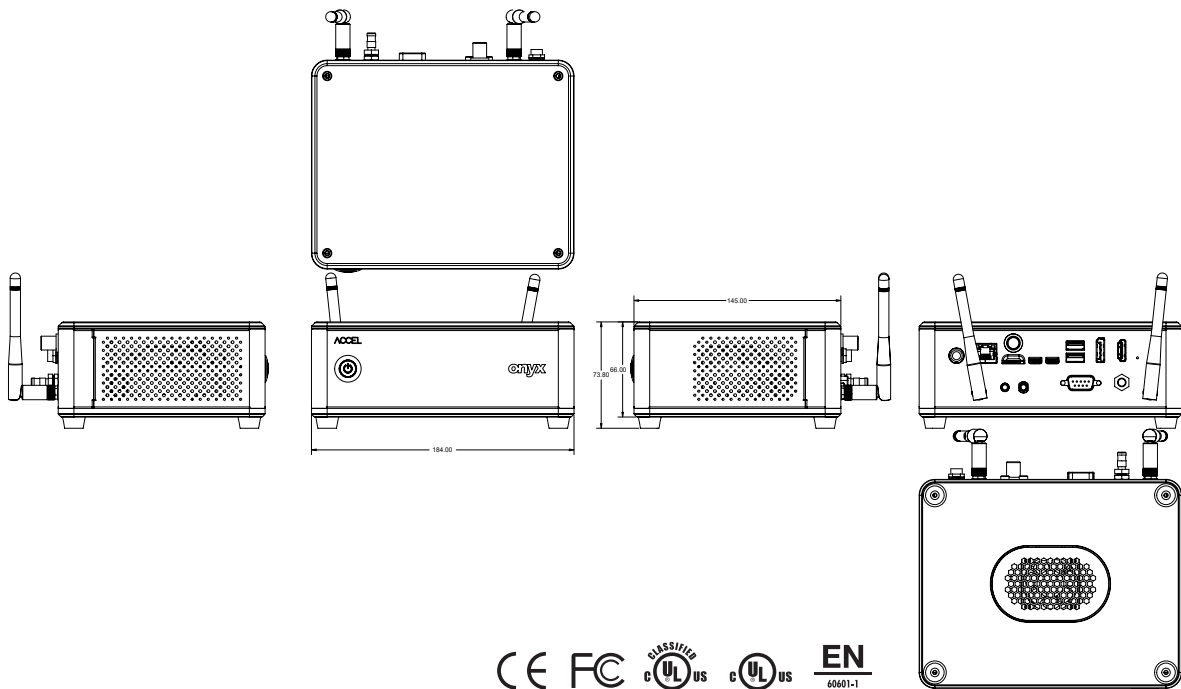
|                        |   |
|------------------------|---|
| USB                    | USB Type C x 2 for USB 3.1                      |
|                        | USB Type A x 1 for USB 3.0                      |
|                        | USB Type A x 1 for USB 2.0                      |
| Ethernet               | Gigabit LAN x 1                                 |
| Video Out              | HDMI 2.0 x 1 , Display Port 1.4 x 1             |
| Video input (Optional) | 3G SDI x 1 or 12G SDI x 1 or HDMI 2.0 x 1       |
|                        | 3G SDI(Max resolution up to 1920×1080p@60fps)   |
|                        | 12G SDI(Max resolution up to 4096×2160@60fps)   |
|                        | HDMI 2.0(Max resolution up to 4096x 2160@60fps) |
| Audio                  | Mic-in x 1 , Line out x 1                       |
| COM                    | RS232 x 1                                       |
| Function Port          | Reset Button x 1 , Recovery Button x 1 ,        |
| DC-in                  | 12V DC Jack                                     |
| Wireless Communication | 802.11a/b/g/n/ac.w/BT5.0 (Optional)             |
| LED Indicator          | Power LED x 1                                   |

### ENVIRONMENT AND MECHANICAL

|                       |                            |
|-----------------------|----------------------------|
| Power                 | Medical adapter 12V 84W    |
| Operating temperature | 0°C ~ 35°C(32°F ~ 95°F)    |
| Storage temperature   | -20°C ~ 60°C(-4°F ~ 140°F) |
| Dimension             | 184(W) x 145(L) x 66mm(H)  |
| Package Size          | 290(W) x 225(L) x 198mm(H) |
| Gross Weight          | 2.33 kg                    |
| Net Weight            | 1.675 kg                   |

## NVIDIA Jetson AGX Xavier or AGX Xavier Industrial platform for Medical AI imaging application

### Dimension / Unit: mm



### Ordering Information

- ACCEL-JS500-N1-A1-0010  
Medical grade AI box PC, Nvidia Jetson AGX Xavier, Fan. adapter with internal speaker
- ACCEL-JS500-N1-A2-0010  
Medical grade AI box PC, Nvidia Jetson AGX Xavier, Fan. 3G SDI. adapter, with internal speaker
- ACCEL-JS500-N1-A3-0010  
Medical grade AI box PC, Nvidia Jetson AGX Xavier, Fan. 12G SDI. adapter, with internal speaker
- ACCEL-JS500-N1-A4-0010  
Medical grade AI box PC, Nvidia Jetson AGX Xavier, Fan. HDMI 2.0. adapter, with internal speaker
- ACCEL-JS500i-N1-A1-0010  
Medical grade AI box PC, Nvidia Jetson AGX Xavier Industrial, Fan. adapter with internal speaker
- ACCEL-JS500i-N1-A2-0010  
Medical grade AI box PC, Nvidia Jetson AGX Xavier Industrial, Fan. 3G SDI. adapter, with internal speaker
- ACCEL-JS500i-N1-A3-0010  
Medical grade AI box PC, Nvidia Jetson AGX Xavier Industrial, Fan. 12G SDI. adapter, with internal speaker
- ACCEL-JS500i-N1-A4-0010  
Medical AI Edge. Jetson AGX Industrial Xavier. Fan. HDMI 2.0. 32GB DDR4. 32G eMMC. Jetpack OS. Speaker. Adapter

### Optional Accessories

- M14S500030  
(AOH)(TF)Metal.AI.PC.Holder.RAL 9003 H04.Rev0.0.ACCEL-JS500
- OPM-C18W-A15  
WLAN Kit.802.11a/b/g/n/ac w/BT 5.0.dual ext. antenna. Qualcomm Atheros QCNFA364A.for ACCEL-JS500
- OPM-J500-A1  
Second Half Slim Storage.ACCEL-JS500