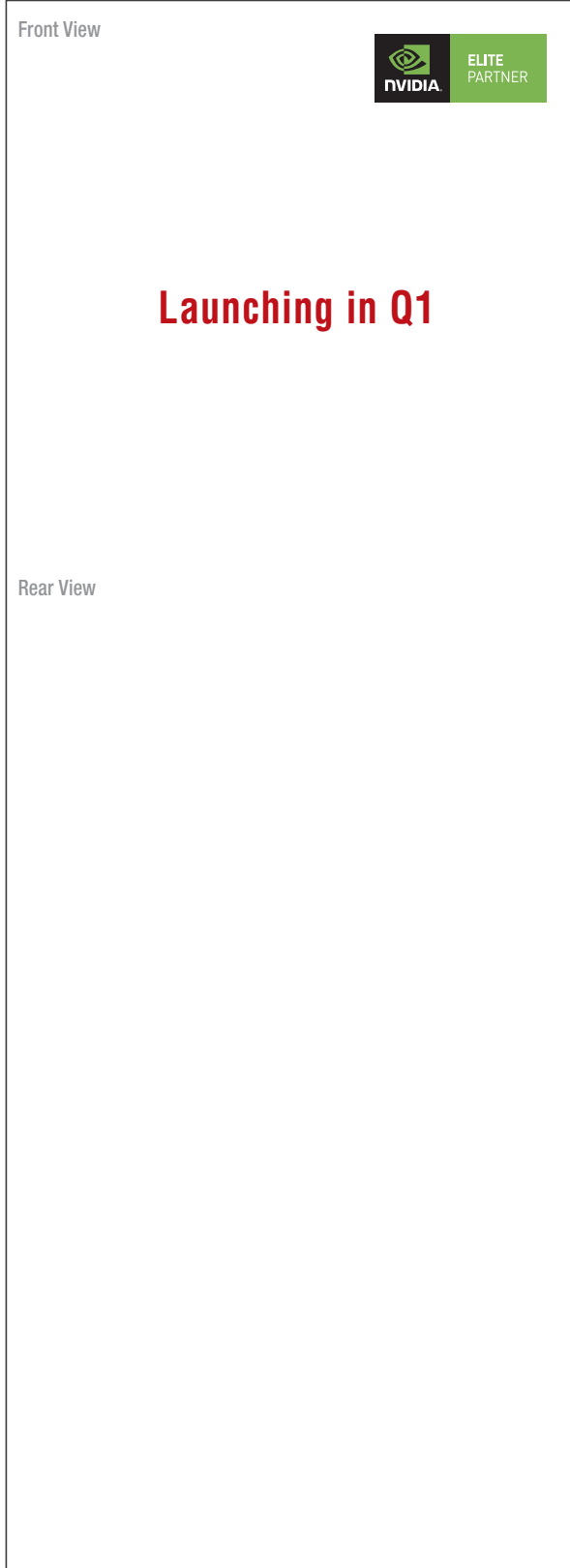


**PRELIMINARY** **BOXER-8653AI**

AI@Edge Compact Fanless Embedded AI System with NVIDIA Orin NX

01

AI@Edge Solutions



**Features**

- NVIDIA Jetson Orin NX
- GbE PoE/PSE 802.3af x 2 ports
- Storage: M.2 2280 M Key x 1
- Optional for OOB function by request
- Operating temperature: -25°C ~ 70°C



**Specifications**

| System                 |   |
|------------------------|---|
| AI Accelerator         | NVIDIA Jetson Orin NX   |
| CPU                    | 6-core Arm® Cortex®-A78AE ARMv8.2 64-bit CPU  |
| System Memory          | 8GB LPDDR5  |
| Storage Device         | M.2 2280 M Key x 1  |
| Display Interface      | HDMI 2.1 type A x 1   |
| Ethernet               | RJ-45 x 1 for GbE LAN<br>RJ-45 x 2 for GbE PoE/PSE 802.3af/each ( Max.30W )   |
| I/O                    | USB 3.2 Gen 1 type A x 3<br>USB 2.0 type A x 1<br>DB-9 for RS232( Rx/Tx/CTS/RTS )/RS485 x 1 and CANBus FD x 1<br>DB-9 for 232(Rx/Tx)/422/485 x 1<br>DB-9 for DIO x 8<br>HDMI 2.1 type A x 1<br>Micro USB x 1 for OS Flash<br>Power button x 1<br>Recovery button x 1<br>Antenna x 4 |
| Expansion              | M.2 2280 NVMe M Key x 1<br>M.2 3042/3052 B Key x 1<br>M.2 2230 E Key x 1<br>SIM Slot x 1  |
| Indicator              | Power LED x 1   |
| OS Support             | Linux ( NVIDIA Jetpack 5.0 up )   |
| Power Supply           |   |
| Power Requirement      | 12V-24V DC in with 2 pins terminal block x 1  |
| Mechanical             |   |
| Mounting               | Wall Mount ( default )  |
| Dimensions (W x D x H) | TBD   |
| Gross Weight           | TBD   |
| Net Weight             | TBD   |
| Environmental          |   |
| Operating Temperature  | -13°F ~ 158°F ( -25°C ~ 70°C ), according to IEC60068-2 with 0.5 m/s AirFlow  |
| Storage Temperature    | -40°F ~ 185°F ( -40°C ~ 85°C )  |
| Storage Humidity       | 5% ~ 95% @ 40C, non-condensing  |
| Anti-Vibration         | 3.5Grms / 5~500Hz / Operation   |
| Anti-Shock             | 50G peak acceleration   |
| Certification          | CE/FCC class A  |

**Optional Accessories**

- TBD

**Packing List**

- TBD

**Ordering Information**

- BOXER-8653AI-JP51T-A1-1010

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