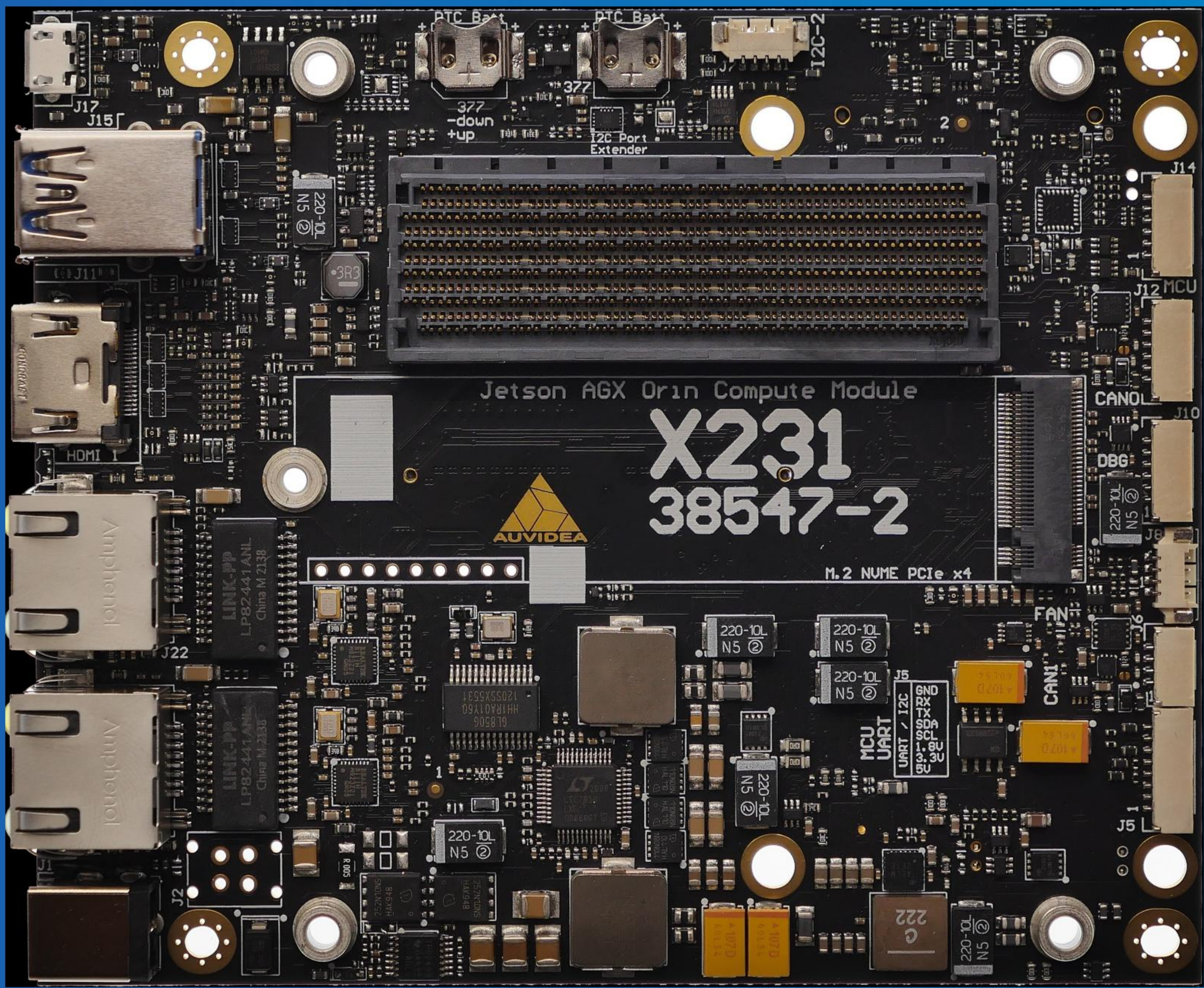


CARRIER BOARDS

X231

The X231 is a high-performance, expandable carrier board for the NVIDIA Jetson AGX Orin module. It features an expansion connector with two PCIe x8 buses, enabling powerful expansions, such as up to four M.2 Key M slots (PCIe x4).



- ✓

JETSON AGX ORIN
- ✓

MCU / Watchdog
- ✓

DESIGNED IN GERMANY

TECHNICAL SPECIFICATIONS

|                        |                    |
|------------------------|--------------------|
| ETHERNET               | 2 x 1GbE           |
| USB 3.x PORTS          | 3 x 3.1            |
| USB 2.0                | 1 x Micro OTG      |
| CSI_2 PORTS            | ext. up to 16 Cams |
| M.2 KEY M NVMe         | 1 x 2280           |
| M.2 KEY E (WIFI / GPS) | opt. LM823         |
| M.2KEY B (LTE)         | no                 |
| PCIe EXPANSION         | 2 x PCIe x8        |
| HDMI                   | 1 x 2.0            |
| CAN                    | 2 x                |
| UART                   | ✓                  |
| I2C / I2S / SPI        | 2x / - / -         |
| SIM CARD               | no                 |
| MCU / WATCHDOG         | ✓                  |
| CRYPTO CHIP            | ✓ ATSH204A         |
| AUTOFLASHING           | ✓                  |
| RTC BATTERY            | 2 x (377)          |
| WIFI ONBOARD           | opt. LM823         |
| SIZE                   | 125mm x 104.6mm    |
| POWER SUPPLY           | 24 V - 48V         |