

Qunlink T-7 Box PC

Fanless Jetson™ TX2 High Performance AI Box PC



AI platform at the Edge Powered by  NVIDIA Jetson™ TX2

FEATURES

- NVIDIA® Jetson™ TX2 High Performance AI Computer
- x6 SerDes Camera Port
- Gigabit Ethernet, WiFi, Bluetooth
- Support M.2 2280 SSD
- Support M.2 3042 LTE Module
- Built-in GPS Engine, Support Dead Reckoning
- Built-in 3-Axis Accelerometer
- Built-in 3-Axis Gyroscope
- WiFi, CAN, USB 3.0, RS-232, DI, HDMI



APPLICATIONS

- Telematics
- Transportation
- Manufacturing
- Health care
- Retail
- Law Enforcement
- Security & Surveillance

SPECIFICATIONS



Qunlink T-7 Box PC

| System Box Module | |
|------------------------------|---|
| Model | NVIDIA® Jetson™ TX2 |
| GPU | NVIDIA® Pascal™, 256 CUDA cores |
| CPU | HMP Dual Denver 2/2MB L2 + Quad ARM™ A57/2MB L2 (Up to 2GHz) |
| Memory | 8GB 128-bit LPDDR4 |
| Storage | 32GB eMMC |
| I/O | 1 x USB 3.0 |
| | 1 x HDMI |
| | 1 x CAN 2.0b |
| | 1 x RS232 (TX/RX) |
| | 4 x Positive Digital Input |
| | 1 x Audio output via HDMI |
| | 1 x Gigabit Ethernet |
| Bluetooth | 1 x Bluetooth 4.1 |
| SIM | 1 x Micro SIM Slot |
| SD Card | 1 x SD Card Slot |
| M.2 Extension Slot | 1 x M.2 3042 Key-B Socket for LTE/3G Module 1 x M.2 2280 Key-B Socket for SSD Module |
| WIFI | 1 x 802.11b/g/n/ac 2x2 MIMO |
| GNSS | Support GPS, BeiDou, Galileo, Glonass, Qzss |
| IMU | 3-Axis Accelerometer + 3-Axis Gyroscope |
| Supervisor | 1 x 32-bit MCU (STM32F103) as System Supervisor |
| 14-Pin Main Connector | BAT+, GND, ACC 4x Positive DI 1 x CAN (CAN-H, CAN-L) 1 x RS-232(GND, TX, RX) |
| External Antenna | 5 x FAKRA Coaxial Connector: • 2 x WiFi / Bluetooth Antenna • 2 x LTE/3G Antenna • 1 x GNSS Antenna |
| SerDes Camera | 6x 4-Pin HSD Connector: • D+/D-: Twisted Pair SerDes (TI FPD-LINK III) • Power: 12V/GND |
| Mini USB Port | 2 x USB COM Port: • 1 x NVIDIA® Jetson™ TX2 COM Port • 1 x MCU COM Port 1 x NVIDIA® Jetson™ TX2 USB OTG Port |

| Mechanical | |
|--------------------------|---|
| Construction | Aluminum Casing (Black) |
| Operation Temp. | -20°C ~ +80°C |
| Storage Temp. | -40°C ~ +90°C |
| Relative Humidity | 10~90% @40°C, Non-condensing |
| Qualification | Formal certification CE / FCC Class A |
| Button | Power, Reset, Recover |
| LED | Red, Green, Yellow |
| Dimension | 254mm*128mm*48mm (W*D*H) |
| Weight(net) | 1.4KG |
| Optional Order | |
| Accessory | Microsoft Win7/ 10, Linux |
| | 6x SerDes Camera with cable up to 10 meters |