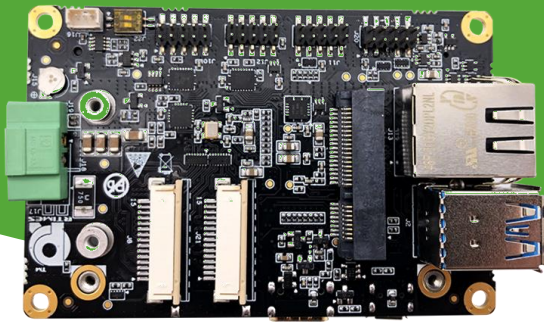




RTSO-6002 Carrier Board  
PN: RTSO-6002  
Adaptive NVIDIA Jetson Xavier NX/TX2 NX/Nano  
Hardware Version: V1.0

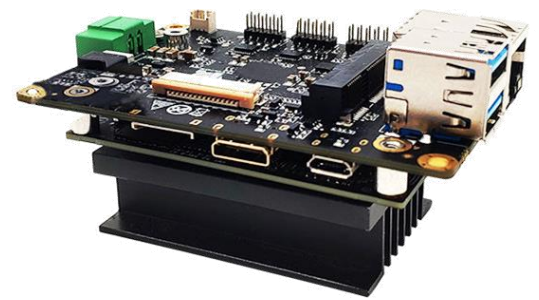


The NVIDIA Jetson Xavier NX/TX2 NX/Nano module is a processor suitable for machine deep learning introduced by NVIDIA. It has powerful computing power and the module area is only the size of a credit card. It is mainly aimed at the fast-developing artificial intelligence market in recent years, such as unmanned aerial vehicles and autonomous driving systems, which have relatively broad application prospects. RTSO-6002 is an industrial-grade carrier board for Xavier NX/TX2 NX/Nano, with an operating temperature of -40°C—+80°C, low power consumption, high security level, and can meet various harsh conditions.

| Type Interface        | 6002  | 6002E         |
|-----------------------|---|---------------|
| Adaptation Core       | Xavier NX/TX2 NX/Nano   |               |
| Pre-Installed System  | Ubuntu 18.04  |               |
| USB Interface         | 1 x USB Type A interface , Support usb2.0、usb3.0 signal, provides 1A output current;1 x USB Type A interface , Supports USB2.0 signal only, provides 1A output current;1 x Micro USB interface, Support usb host and usb device mode, provides 1A output current. |               |
| HDMI                  | 1 x Mini HDMI 2.0 interface(Max 6Gbps, 24bpp, 4096x2160@60Hz)   |               |
| Network Port          | 1 x GbE (10/100/1000 BASE-T)  |               |
| USRT&I2C              | 2 x 3.3V UART, 1 x Debug UART, 2 x I2C, 1 x SPI and GPIO multiplexing   |               |
| CAN                   | 2 x CAN 2.0 (Nano has no CAN function)  |               |
| Camera Interface      | 2 x MIPI interface  |               |
| PCIe Interface        | 1 x Mini-PCIe interface   |               |
| RTC Interface         | 1 x RTC interface   |               |
| SD/eMMC               | 1 x Micro SD  | 1 x 128G eMMC |
| SIM Interface         | 1 x Micro SIM interface   |               |
| FAN Interface         | 1 x Fan control interface   |               |
| Dimensions            | 87mm*57mm*26.37mm   |               |
| Power Requirements    | +12V  |               |
| Operating Temperature | -40°C~+80°C   |               |
| Weight                | About 56g   |               |

Note: Xavier NX/TX2 NX modules are rated to -25~+80°C

**RoHS**



Physical connection with Xavier NX/TX2 NX/Nano module

