



## Main Features

- NVIDIA® Volta™ architecture with 384 NVIDIA® CUDA® cores and 48 Tensor cores
- Supports multiple AI frameworks including Tensorflow, Caffe, and PyTorch
- Support TensorRT, DeepStream SDK and other AI tools
- Support 5G, 4G, optional PoE interface expansion
- Fanless embedded design, DC 9 to 30V wide voltage input, complete I/O interface, supports wall hanging and rail installation

## Product Overview

Coeus 3601 is a fan-less design box pc with NVIDIA® Jetson Xavier™ NX module. Accelerated computing of up to 21 teraflops provides sufficient performance to allow users to parallelize multiple modern neural networks and process data from multiple high-resolution sensors to meet the needs of complete artificial intelligence systems. For real-time, our NexRTOS + IGH can help you to develop EtherCAT Master application and control Servo drive/motor & Distributed I/O in real time. This is a very ideal solution that can quickly produce artificial intelligence product prototypes and accelerate the time to market.

## AI environment

- Ubuntu18.04
- CUDA Toolkit
- cuDNN
- Multimedia
- VisionWorks
- OpenCV
- TensorRT
- VPI on target
- DeepStream
- Container Runtime

## Specifications

### CPU Support

- 6-core NVIDIA® Carmel ARM® v8.2 64-bit CPU

### GPU

- 384-core NVIDIA® Volta™ GPU with 48 Tensor Cores

### DL Accelerator

- 2 × NVDLA Engines

### Vision Accelerator

- 7-Way VLIW Vision Processor

### Memory

- 8GB 128-bit LPDDR4x

### Storage

- 16G eMMC

### I/O Interface-Front

- 2 × USB3.0
- 1 × RJ45LAN
- 1 × HDMI

- 1 × PWR indicator light
- 1 × SYS indicator light
- 1 × Line Out
- 1 × Power switch
- 2 × Antenna reservation

### I/O Interface-Bottom

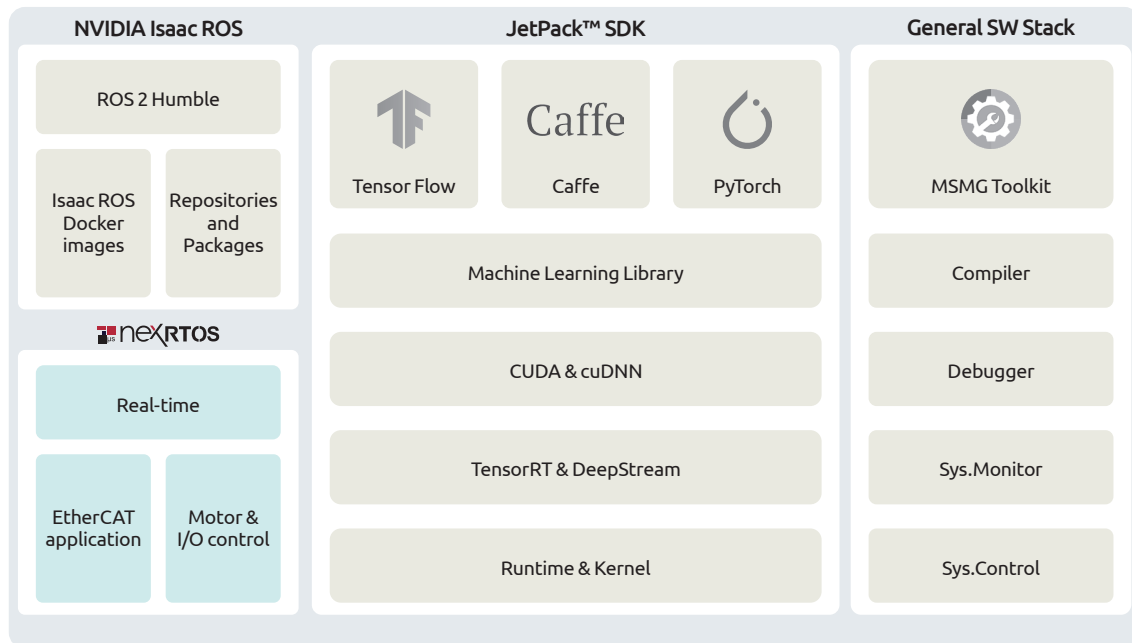
- 1 × Power connector
- 1 × GPIO (4DI & 4DO)
- 2 × COM (Non-full signal, 1\*DB9 form lead, COM1 RS-232/422/485; COM2 RS-232)
- 1 × OTG
- 1 × Recovery
- 1 × Ground screw hole

### Expansion

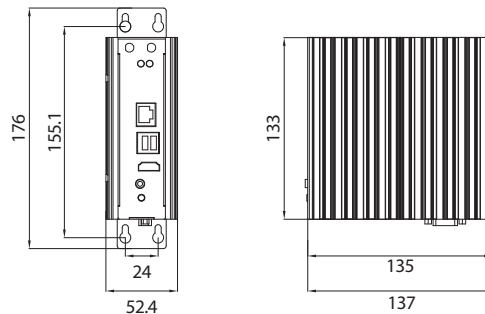
- 1 × Micro SD
- 1 × M.2 M Key 2280 Supports PCex4 signals
- 1 × M.2 B Key 3052 Supports USB3.0/USB2.0/SIM signals



## Software Application Service



## Dimension Drawing



### Power Requirement

- DC 9 to 30V

### Dimensions

- 52.4mm (W) x 137mm (D) x 176mm (H)

### Installation

- wall-mounting and rail installation

### Operating temperature

- -10°C to 55°C with air flow

### Storage temperature

- -20°C to 80°C

### Working humidity

- 40°C, 95% relative humidity, no condensation

## Ordering Information

- **Coeus 3601 (P/N: 10JD0360100XH)**

NVIDIA® Jetson Xavier™ NX, 1xLAN, 1xHDMI, 1xLin out, 4xDI, 4xDO, 1xRS232, 1xRS232/422/485, 1xOTG