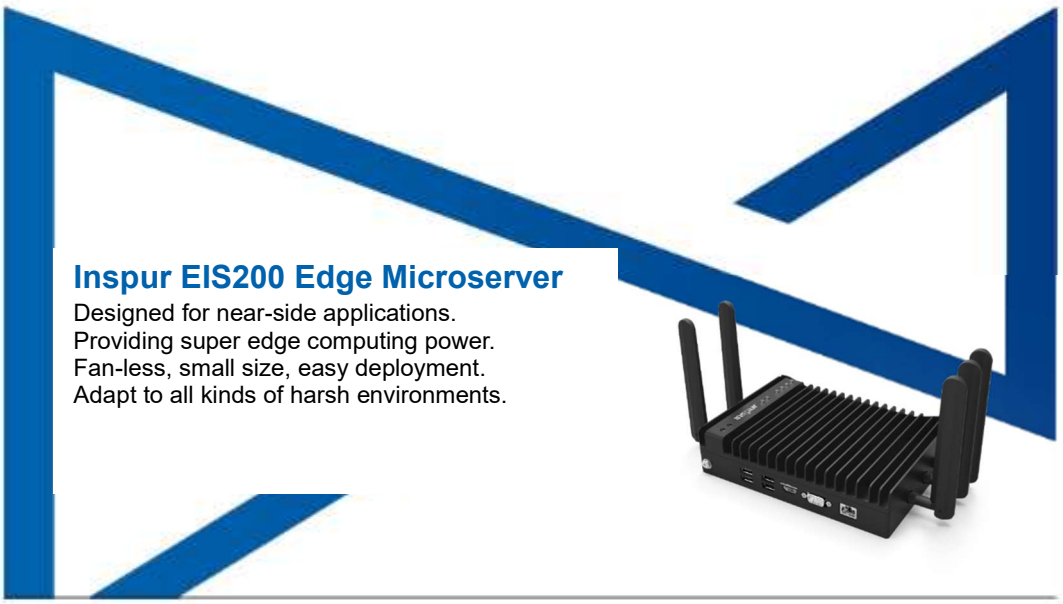


With the development of new technology, like IoT and 5G, more and more equipment get interconnected. The amount of data generated by massive terminals has increased exponentially, which led to the limitation of network bandwidth. In order to improve the efficiency and security of real-time data processing, as well as enhance customer experience, the quality and performance of edge gateway equipment is particularly important.

Inspur EIS200 edge microserver can solve the problems of poor network conditions, high transmission cost, data transmission latency and data security risks. Remote monitoring and management of large-scale deployment can be realized through Inspur self-developed operation and maintenance management platform.

## Product features

### Powerful AI computing

EIS200 has ~~high computing power~~ powerful AI performance but ultra-low power consumption. Up to 21 TOPS computing power supports up to 32 channels of 1080P HD video decoding and 16 channels of 1080P HD video encoding at 30fps, and up to 16 channels of 1080P HD video decoding and 6 channels of 1080P HD video encoding at 60fps.

### Excellent environmental ~~adaptability~~adaptation

EIS200 with NVidia® Jetson Nano™ can be operated at -40 to 65℃ and 5%~95% humidity. With NVidia® Jetson Xavier™ NX, EIS~~E~~200 supports working temperature -40~55℃ and humidity 5%~95%. Based on NVidia® Jetson™ TX2 NX, the working temperature between -40~60℃. Besides, EIS200 supports IP40 protection level.

### Ecological interconnection

Based on NVidia computing ecology, it is easy to migrate inference algorithms from X86 platform to Jetson platform.

## Centralized management

Through the operation and maintenance management platform developed by Inspur, customers can realize remote monitoring and management of large-scale deployment, which effectively reduces the operation and management cost and ~~achieve the full protection of information security.~~fully guarantee information security.

## Multiple communication options

EIS200 supports ~~cable~~ wired network and wireless modules, like Wifi, ZigBee, 4G and~~,~~ 5G~~,~~ etc, comprehensive covering a variety of network application scenarios.

## A variety of computing power applications

EIS200 is compatible with the core modules of NVIDIA® Jetson TX2 NX, NVIDIA® Jetson Nano™ and Jetson Xavier NX, providing 0.5-21 TOPS power to meet different power application scenarios.

## Product Specifications

| Name | Inspur EIS200 | | |
|---|---|---|---|
| **Computing module** | Jetson Nano | Jetson TX2 NX | Jetson Xavier NX |
| **AI Performance** | 472 GFLOPS | 1.33TOPS | 21 TOPS |
| **GPU** | 128-core NVIDIA Maxwell™ GPU | 256-core NVIDIA Pascal™ GPU | 384-core NVIDIA Volta™ GPU with 48 Tensor Cores |
| **CPU** | Quad-core ARM® Cortex®-A57 MPCore processor | Dual-core NVIDIA Denver2 64-bit CPU and Quad-core ARM® Cortex®-A57 MPCore processor | 6-core NVIDIA Carmel ARM®v8.2 64-bit CPU 6MB L2 + 4MB L3 |
| **Memory** | 4GB 64-bit LPDDR4 25.6GB/s | 4GB 128-bit LPDDR4 51.2GB/s | 8GB 128-bit LPDDR4x 51.2GB/s |
| **Storage** | 16 GB eMMC 5.1 | 16 GB eMMC 5.1 | 16 GB eMMC 5.1 |
| **Power** | 9V~36V (industrial DC-in connector & DC jack) / POE PD (802.3at) | | |
| **Video Encode** | 1x 4K @ 30 (H.265/H.264)<br>4 x 1080p @ 30 (H.265/H.264)<br>9x 720p @ 30 (H.265/H.264) | 1x 4K @ 60 (H.265/H.264)<br>3x 4K @ 30 (H.265/H.264)<br>4 x 1080p @ 60 (H.265)<br>8 x 1080p @ 30 (H.265)<br>7 x 1080p @ 60 (H.265) | 2x 4K @ 30 (H.265/H.264)<br>6x 1080p @ 60 (H.265/H.264)<br>14 x 1080p @ 30 (H.265/H.264) |
| **Video Decode** | 1x 4K @ 60 (H.265/H.264)<br>2 x 4K @ 30 (H.265/H.264)<br>8 x 1080p @ 30 (H.265/H.264)<br>18x 720p @ 30 (H.265/H.264) | 2x 4K @ 60 (H.265/H.264)<br>4x 4K @ 30 (H.265/H.264)<br>7 x 1080p @ 60 (H.265/H.264)<br>14 x 1080p @ 30 (H.265/H.264) | 2x 4K @ 60 (H.265)<br>4x 4K @ 30 (H.265)<br>12x 1080p @ 60 (H.265)<br>32 x 1080p @30 (H.265)<br>2 x4K @30 (H.264)<br>6x 1080p @ 60 (H.264)<br>16x 1080p @ 30 (H.264) |
| **Display** | 1x HDMI2.0 | | |
| **Networking** | 1x RJ45 GBE Port 网口 | | |
| **USB** | 2*USB2.0 + 2*USB3.0 | | |
| **Wireless Network** | Supports 4G/5G/WIFI/ZigBee modules | | |
| **CAN(NX)&Serial Ports** | 1x CAN port (NX only)/1x COM RS232/485 | | |
| **Expansion** | Speaker(Alarm) / 8-bit IO Signal（DIO）/ Built-in SD card for storage expansion | | |
| **Button & Appearance** | 2x plane buttons（reset＆restore mode）, 4x system status LED | | |
| **Environment** | Operating Temperature: -40~65℃<br>Operating Humidity: 5%~95% | Operating Temperature:-40~60℃<br>Operating Humidity: 5%~95% | Operating Temperature: -40~55℃<br>Operating Humidity: 5%~95% |
| **Protection** | IP40 | | |
| **Dimension** | 200mm x 140mm x 46mm | | |
| **Thermal dissipation** | Fan-less, supporting slow start at low temperature (-40℃) | | |