Edge Computing Platform

move On™ UAC-100S
Edge AI Computer

Key Features

- Qualcomm Automotive SoC
- Deep Learning Accelerators up to 100TOPs
- 1GBase-T / 1GBase-T1 Ethernet Interface
- 8 Channel GMSL2 Interface
- High precision dead reckoning GNSS
- 5G Network
- Wi-Fi 802.11ax
- Bluetooth LE 5.3

Introduction

move On™ - The **UAC-100S Developer** Kit is designed with Qualcomm® Snapdragon™ Automotive SoC as the main processor. Qualcomm® is designed on a 7nm process to provide superior performance with minimal power consumption. Designed with the latest technology, including a high-performance multi-core processor and an AI accelerator with a performance of up to 100 TOPs, the Edge AI Computer is capable of real-time data processing and inference calculations.

The **UAC-100S Developer** Kit allows input of up to 8 camera sensors through the GMSL2 interface. Supports a total of 5 Ethernet ports, including 1000Base-T. With USB2.0 and 3.0 external interface
In addition to DisplayPort 1.4, it provides Wi-Fi6 and Bluetooth LE 5.3 wireless communication. In addition, for high-precision positioning, it supports the requirements for highly autonomous driving by embedding GNSS reception capable of Network RTK and a 5G modem for wireless communication based on dead reckoning.

Designed to meet the seamless communication, monitoring, data transfer, and automation through abundant wireless connectivity required by edge computers, **the UAC-100S** enables flexible development and rapid adoption of distributed edge computing.