E200G4

intel CORE i5 | intel iRISxe MAX GRAPHICS | Microsoft Azure Certified

High Efficiency Edge AIoT Box

Highlights

- **Outstanding Computing Capability for AI and Edge Applications**
- **Great Flexibility with Multiple Wireless/AI Modules**
- **Industrial-Level Rugged Embedded System with Wide Operating Temperature Range**

Enhanced Performance and High Efficiency

E200G4, a high efficiency AIoT Box system based on 10nm 11th Gen Intel® Core™ Processor, delivers balanced performance (up to 23% gain in single-thread performance and up to 19% gain in multi-thread performance). E200G4 not only incorporates Intel®Iris®X^e graphics that achieves up to 2.95x graphic capability, but also offers 1x PCIe Gen4 x4 slot and 2x DDR4 SODIMM slots with In-Band ECC. E200G4 is an ideal uCPE or edge platform for integrated AI acceleration, plus capabilities for applications that demand high-speed processing, computer vision, and low-latency deterministic computing.

Flexible Network Configuration

E200G4 provides multiple internal M.2 expansion slots and wireless modules, supporting 4GLTE or 5GNR (Sub 6G) and WiFi-6 modules, LoRa modules for IoT applications or SSD NVMe module for general storage. Moreover, E200G4 features high bandwidth network communication capabilities which can carter to suitable demands of different application procedures.

Edge AIoT | 5G/WiFi6/LoRa wireless connections | Media & AI Integration | Modulation Design to support difference IoT scenario

Front View

Rear View

E200G4 | Edge AIoT Box

Satisfactory Stability and Easy Serviceability

Designed with a highly modular architecture in ultra-thin form factor, it is easy to service and maintain. Meanwhile, features like wide operating temperature range and strong environmental adaptability make E200G4 perfect for various applications including intelligent video surveillance, big data analysis, industry 4.0, intelligent healthcare industry and more.

High-Performance 5G Fixed Wireless Access

E200G4 supports Fixed Wireless Access (FWA) technology that delivers 5G/LTE broadband services to residential subscribers and enterprise customers. Certified by Microsoft Azure, E200G4 allows itself to be quickly and efficiently deployed as an edge device for Microsoft cloud services.

A New Software-Driven Platform

Furthermore, Inventec collaborates with Canonical to provide a software and hardware integration solution. E200G4 adopts Ubuntu Linux operation system (OS) and possesses access to the Inventec Store, which is an app store platform from Canonical, with full control over the store content, review process and identity to provide users with more secure and reliable services. E200G4 can also become an NFVI (Network Functions Virtualization Infrastructure) platform by running Canonical's open source NFV stack, designed for hosting VNFs with optimum performance and security requirements.

Positioning	Edge AIoT (uCPE)
Form Factor	W x H x D: 256mm x 43.6mm x 165mm (10.07 x 1.72 x 6.5 inch)
Processor	11th Gen Intel® Core™ Processor Up to 4 Processor Cores, 2-4MB Cache TDP up to 15W
Memory Slot	2 DDR4 channels, 2666/3200 MT/s, Max. 64GB In-Band ECC
Expansion Slot	2x M.2 slots support AI & NVMe module (AI module supports dual or single M.2 accelerator module) 1x M.2 slot supports NVMe & LoRa module 1x M.2 slot supports WiFi/BT module 1x M.2 slot supports 4G LTE/5G NR module
I/O Interface	2x RJ45 2.5G with TSN 1x COM port (shared with RS232/RS485) 2x USB3.2 port & 2x USB2.0 port 1x HDMI 2.0 port
Networking	Dual-WAN (5G & Ethernet) with Load Balancing and Failover IPv4 / IPv6 routing NAT / NAPT DHCP Server & Client
System Management	LWM2M Client, to be managed by OMA-compliant device management system Device Twin Zero Touch Provisioning OTA Logs & tracing
Security	Firewall IPsec VPN
TPM	Supports TPM2.0 (Option)
Antenna	6x external antennas
Fan	Fan less
Power Supply	Power adapter 12V/5A, 60W
Mounting	Standard/Wall Mount
Environmental	Operating Temperature: -20°C~60°C (at 0.7m/s air flow) IP Ratings (Ingress Protection): IP51 Vibration During Operation: IEC 60068-2-64 Shock During Operation: IEC 60068-2-27

About Inventec Data Center Solutions (Inventec EBG)

Inventec Data Center Solutions (Inventec EBG) was established in 1998 and has been focusing on the design and manufacturing of server systems in Inventec Corporation. Over decades, Inventec EBG has been the key server system supplier of the global branding clients.

Inventec Corporation (TAO)

No.88, Dazhi Rd., Taoyuan Dist., Taoyuan City 33068, Taiwan
Tel: 886-3-390-0000   Fax: 886-3-376-2370
Email: TAOproductsupport@inventec.com

Learn more at **https://ebg.inventec.com/**