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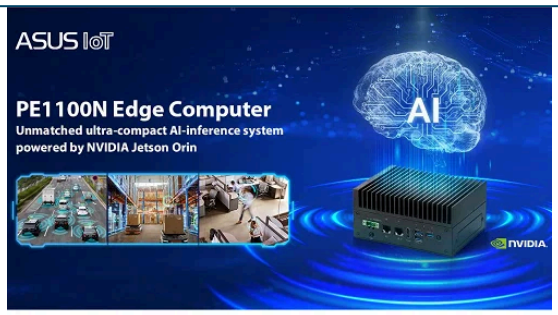
UNMATCHED ULTRA-COMPACT AI-INFERENCE SYSTEM POWERED BY NVIDIA JETSON ORIN



The PE1100N, an unmatched, ultra-compact computer for AI inferencing at the edge, and based on the next-generation and world-leading NVIDIA® Jetson Orin™ series. It features a fanless design for quiet operation, rich industrial connectivity for serious flexibility and supports a wide range of power inputs and operating temperatures for maximum versatility and durability.

With the powerful Jetson platform, featuring an efficient Arm® processor and embedded NVIDIA GPU, PE1100N delivers energy-efficient computing with powerful AI-inferencing capabilities, making it ideal for diverse, scalable edge AI applications in smart city, transportation, manufacturing and more — including traffic analysis, people-tracking, counting and surveillance. Also, PE1100N's compact size and anti-vibration design make it especially ideal for smart manufacturing solutions, such as automated guided vehicle (AGVs), autonomous mobile robots (AMRs), AI-powered automated optical inspection (AOI) and robotics applications — accelerating time to market for AI applications.

- **Powerful GPU** Powerful, high-efficiency AI performance for deep learning and computer-vision tasks, with code-minimizing NVIDIA® Jetson Orin™ platform
- **High expandability and connectivity** SWaP-optimized design, high expandability and connectivity are perfect for AI-powered IoT applications
- **Perfect for edge inference** Ideal for smart transportation and smart manufacturing uses

For full product
info and datasheet
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Asus IoT

ASUS IoT is a sub-brand of ASUS dedicated to the creation of incredible solutions in the fields of AI and IoT. Our mission is to become a trusted provider of embedded systems and partner to the wider AIoT solutions ecosystem.