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Compact Power for Endless Applications

Written by BIOSTAR Team

BIOSTAR, a leading manufacturer of edge computing solutions, industrial motherboards, graphics cards, and storage devices, today introduces the EdgeComp MU-N150, a compact, fanless industrial PC designed to meet the versatile demands of modern industrial applications. Engineered for system integrators, automation systems, edge computing, HMI terminals, and digital signage, the MU-N150 delivers powerful performance, silent operation, and broad connectivity in a rugged, space-saving form factor.

Designed for seamless integration into a wide range of industrial and commercial environments, the EdgeComp MU-N150 is ideal for system integrators managing customer data and business workflows, automation engineers developing real-time control systems, and edge computing solutions that demand high-speed local processing. With its dual Intel® Ethernet Controller I226-V (2.5GbE LAN), robust I/O options, and fanless reliability, the MU-N150 also excels in HMI applications and kiosk systems, supporting essential peripherals like barcode scanners, receipt printers, and card readers. For digital signage deployments, its triple 4K display support enables crisp, multi-screen output in a compact, low-maintenance form factor.



The EdgeComp MU-N150 is equipped with an Intel® Processor N150, delivering quad-core performance up to 3.6GHz while maintaining a low 6W TDP for energy-efficient, fanless operation. It supports DDR5 4800MHz SO-DIMM memory up to 16GB, ensuring smooth multitasking and responsive performance across industrial workloads. For display flexibility, the system features triple 4K output via HDMI® 2.0, DisplayPort 1.4, and USB-C, making it ideal for multi-screen environments such as control panels or signage. Additional features

include dual 2.5GbE LAN ports (Intel® Ethernet Controller I226-V), an M.2 Key-M slot for NVMe storage, and an M.2 Key-E slot for optional Wi-Fi and Bluetooth modules, all packed into a rugged and space-efficient chassis.

Built for demanding industrial environments, the EdgeComp MU-N150 features a fanless, ventless design that minimizes dust ingress and eliminates noise, ensuring long-term stability in 24/7 operations. Its ultra-compact 0.6L volume allows for easy installation in space-constrained systems, while support for wide-

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range DC input (12–19V) adds flexibility across deployment scenarios. The system is tested to withstand shock (30G) and vibration (5Grms) under IEC-60068 standards, and operates reliably in temperatures from 0°C to 50°C. Certified to CE, FCC, UKCA, and BSMI standards, the MU-N150 is designed to meet global industrial safety and performance requirements.

With support for both Windows 11 64-bit and Linux Ubuntu, the EdgeComp MU-N150 offers broad software compatibility for seamless deployment across industrial and commercial environments. Its compact form factor, silent fanless operation, and rich I/O capabilities make it a versatile and dependable choice for edge computing, automation systems, HMI terminals, and digital signage. Combining efficiency, durability, and integration-ready design, the MU-N150 reflects BIOSTAR's commitment to delivering high-performance industrial computing solutions.

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ABOUT BIOSTAR

BIOSTAR is a professional brand dedicated to the production of motherboards, graphics cards, computer peripherals, industrial PC, and AI computing solutions. Since its establishment in 1986, BIOSTAR has become a major supplier in the IT industry. In order to pursue the best quality and aesthetic design, BIOSTAR has invested heavily in ID design, global marketing as well as R&D. With an unceasing focus on enriching lives, BIOSTAR consistently strives to pioneer a fresh future, bringing solutions into reality.

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