

NEXCOM HPPC 15 Improves Performance and Longevity in Semi-Outdoor Environments

Edge Computing Powers More Responsive Parking and Self-Service Kiosks

FREMONT, CA, UNITED STATES, May 13, 2025 /EINPresswire.com/ -- NEXCOM, a leading global supplier of intelligent retail solutions, announced today the launch of the newest addition to its panel PC lineup of versatile edge computing systems. The [HPPC 15-10X7211](#) is a high-performance, energy-efficient 15-inch industrial panel PC designed for real-time processing in demanding environments, including cloud computing, real-time data processing, automation, and IoT applications. Its rugged design enhances stability and efficiency, making it ideal for semi-outdoor applications such as parking systems, reverse vending machines, and self-service kiosks.



The newest NEXCOM panel PC integrates a compact, rugged design with fully functional computing capabilities and touchscreen technology. Powered by the Intel Atom® x7211RE processor, the HPPC 15-10X7211 meets the demands of semi-outdoor applications. It is engineered for durability, with safeguards built in to protect against damage, while delivering excellent touch sensitivity and readability – even in demanding environments. The panel PC features an ultra-bright 1800-nit display and responsive 10-point PCAP touchscreen, along with a comprehensive lineup of connectivity options to power diverse applications, IoT devices, and automations in the field.

“One of the truly standout features of the HPPC 15-10X7211 is its rugged construction,” said Peter Yang, President of NEXCOM. “Businesses can embrace cutting-edge, reliable edge computing, while ensuring flawless performance and long-term value. It’s built for longevity in demanding environments to reduce long-term replacement costs.”



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Peter Yang, President

The NEXCOM HPPC 15-10X7211 PC's XGA panel incorporates optical bonding and an anti-fingerprint coating to enhance durability and deliver a smooth touchscreen experience. It features an anti-glare coating to reduce reflection, improve readability, and minimize eye strain. Additional protections include an anti-UV coating to prevent degradation and discoloration, and an anti-IR coating to minimize heat absorption while optimizing energy efficiency. With IP65 and IK8 ratings, the embedded, slim bezel, fanless panel is built for long-term reliability in harsh conditions

Driven by the Intel Atom® x7211RE processor, the PC offers outstanding efficiency, integrated graphics, and cost-effective performance in low-power, embedded applications. With an array of I/O and expansion possibilities, the edge computing device ensures seamless connectivity. It's M.2 2242 key M and Mini PCIe slots support 4G/LTE and Wi-Fi/Bluetooth connectivity, with an HDMI® 2.0b port for dual-display configurations. The panel PC also includes audio output options and multiple COM (RS-232/422/485) interfaces to connect legacy devices and sensors in a variety of semi-outdoor environments. It offers flexible mounting methods (VESA, panel, open frame), and is backward compatible with the company's XPPC series mounts.

Built for longevity, the HPPC 15-10X7211 incorporates a structurally reinforced embedded board to maintain stability and mitigate thermal concerns. This helps extend its lifespan and reduce long-term replacement costs. The edge computing system is well-suited for semi-outdoor applications, with a 12V-24V power input range and an operating temperature span of -20°C to 60°C. Its smart features include auto-dimming and intelligent fan control to enhance energy efficiency.

To learn more, visit [NEXCOM website](#).

Features:

- Backlight auto-dimming
- Fanless design
- Intel Atom® x7211RE processor
- Touch screen: 10-point PCAP (projected capacitive touch):
 - o LCD size: 15", 4:3 ratio
 - o 1800-nit sunlight-readable panel
 - o Optical bonding with AF, AG, anti-UV, and anti-IR treatments
- 1 x DDR4 SO-DIMM socket, up to 32GB
- Expansion: 1 x M.2 Key M, 1 x Mini PCIe

About NEXCOM

Founded in 1992, NEXCOM integrates its capabilities and operates eight global businesses, which are Industrial Mesh, Intelligent Platform @ Smart City, Intelligent Video Security, Mobile Computing Solutions, Medical and Healthcare Informatics, Network and Communication Solutions, Smart Manufacturing, and Open Robotics and Machinery. This strategic deployment enables NEXCOM to offer time-to-market, time-to-solution products and services without compromising cost.

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