

Axiomtek Introduces Industrial ATX Motherboard powered by 8th Generation Intel® Core™ with Optimum Connectivity and Great Performance - IMB523

Axiomtek - a world-renowned leader relentlessly devoted in the research, development and manufacture of series of innovative and reliable industrial computer products of high efficiency - is introducing the **IMB523**, the newest industrial ATX motherboard powered by the LGA1151 socket 8th generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® processors (codename: Coffee Lake) with the Intel® Q370 chipset. The ATX motherboard features four 288-pin DDR4-2666/2400 DIMMs with a memory capacity up to 64GB to meet the needs of high-density computing applications. The Intel® Coffee Lake-based IMB523 features high performance with comprehensive application functions to help facilitate quick deployment.

"The new IMB523 features rich I/Os and is expandable with one PCIe x16 slot, two PCIe x4 slots, four PCI slots and one PCI Express Mini Card slot, giving this motherboard high expandability options to meet customer specific needs," said Thomas Chuang, the product manager of Product PM Division at Axiomtek. "In addition, the industrial-grade ATX motherboard adopts the Intel® HD Graphics which provides rapid video acceleration and supports triple-view capability through the DisplayPort, DVI-D, HDMI, VGA with a resolution of up to 4K2K for display-related applications. It has two USB 3.1 Gen 2 and four USB 3.1 Gen 1 ports for faster data transfer. The IMB523 is suitable for use in various applications, for instance, multi-media centers, medical industry, transportation infrastructure, factory automation, and more."

The Intel® Coffee Lake-based ATX motherboard comes with multiple I/O ports including four RS-232 ports, two RS-232/422/485 ports, two Gigabit LAN ports, six USB 3.1 ports, seven USB 2.0 ports, eight-channel digital I/O, one HD Codec audio, one SMBus, and one PS/2 keyboard/mouse. Moreover, the IMB523 features six SATA-600 ports with software RAID 0/1/5/10 to enhance reliability, stability and data recovery capability. One PCI Express Mini Card slot and one SIM card slot are available for 3G/4G, GPS, Wi-Fi and Bluetooth connections. To ensure reliable operation across platforms, the well-designed industrial motherboard is not only capable of withstanding a wide operating temperature range of 0°C to 60°C, but also supports watchdog timer, hardware monitoring functions and Trusted Platform Module 2.0 (TPM 2.0).

IMB523 - Axiomtek's new industrial motherboard will be available in the middle of November 2018. For more product information or customization services, please visit our global website at www.axiomtek.com or contact one of our sales representatives at info@axiomtek.com.tw.

Advanced Features:

- LGA1151 socket 8th gen Intel® Core™ i7/i5/i3, Pentium® & Celeron® processors (Coffee Lake)
- Four 288-pin DDR4-2666/2400 DIMM slots for up to 64GB memory
- DP, DVI-D, HDMI and VGA with triple-view supported
- Six SATA-600 with RAID 0/1/5/10
- Two USB 3.1 (Gen 2) and four USB 3.1 (Gen 1)
- One PCI Express Mini Card slot and one SIM card slot
- Trusted Platform Module 2.0 (TPM 2.0) supported

