# THE NEW ATX-Q670A OFFERS DDR5 DRAM SUPPORT FOR INDUSTRIAL AUTOMATION AND IOT SOLUTIONS

**Innovative ATX motherboard features improvements in system memory, expansion and security**

*AAEON ATX-Q670A offers DDR5 DRAM support for industrial automation and IoT solutions*

Review Display Systems (RDS) has announced the introduction of a new ATX motherboard from leading embedded computing solutions supplier AAEON. The innovative, high-performance ATX-Q670A supports 12th Generation Intel Core LGA1700 Socket Processors and is AAEON's first ATX motherboard to offer DDR5 DRAM memory support.

Supporting up to 128GB system memory with four dual-channel DDR5 DIMMs. This provides users with an unprecedented 50% increase in bandwidth and a decrease in power consumption compared to previous generations. In combination with two PCIe x16 expansion ports and a bootable USB port feature, the ATX-Q670A offers industry-leading performance.

The ATX-Q670A is not only faster, but also provides additional expansion for high-performance modules, offering two PCIe x16 slots alongside both a PCIe x4 and PCIe x1 slot, in addition to a further three PCI slots. For enhanced data protection, the ATX-Q670A is equipped with a bootable USB feature to prevent bootable programs from accessing the system via a USB device

These features combined with the ATX-Q670A's dual graphic card support suggest that it can offer the ideal computing platform for vision-based applications. The capability to drive four independent 4K resolution (4096 x

2160 pixel) displays with HDMI 2.0 x 2, DisplayPort x 2 and VGA x 1 also reinforce the product potential.

An extensive array of additional onboard ports and peripherals include Dual RJ-45 Ethernet support, M.2 2280/2242 M-Key x 2, M.2 3042/3052 B-Key x 1, Mini PCIe x 1, Micro SIM Slot x 1, and USB 3.2 Gen 2 x 2, USB 3.2 Gen 1 x 4, USB 2.0 x 3.

The AAEON ATX-Q670A motherboard provides customers with an array of performance features and industry-leading expansion capability as required for smart applications including IoT solutions, machine vision, healthcare, and industrial automation

The AAEON ATX-670A industrial motherboard is now available from Review Display Systems. For further information, design assistance and technical support contact Review Display Systems at info@review-displays.co.uk or call 01959 563345