

FORTEC Integrated Expands Portfolio with the High-Performance AI-Enabled Single-Board Computer IB962 for Edge Applications

Germering (Germany) November 5, 2024 – FORTEC Integrated, a leading German specialist in industrial TFT flat-panel displays, embedded products, and system solutions, is introducing the IB962 from iBASE, a powerful Edge-AI solution. This compact 3.5-inch single-board computer is designed for demanding AI applications, combining high computing power with energy efficiency thanks to the new Intel® Core™ Ultra Meteor Lake processor. “With the Intel Arc™ GPU and the newly integrated VPU, the IB962 accelerates local processing of image and video data, delivering exceptional visual quality and optimized energy consumption,” explained Thomas Schrefel, Product Manager Embedded at FORTEC Integrated.

Versatile Connectivity and Flexible Model Options

The IB962 offers a wide range of connectivity options for high-resolution displays, featuring HDMI, DisplayPort, LVDS, and eDP interfaces. This makes it ideal for direct AI-based visualization, particularly suited for quality control in industrial automation or medical imaging analysis. The IB962 model variants equipped with Intel® Core™ Ultra 7 and Ultra 5 Meteor Lake-U/H processors meet diverse processing demands, all within a compact footprint of 102 x 147 mm. With support for up to 64 GB of DDR5 memory, the IB962 enables both advanced multitasking and rapid processing of large data volumes.

Edge AI for Future-Proof Data Processing

Edge AI reduces latency and lowers costs by processing data directly at the source, without relying on remote servers or the cloud. Local data storage enhances security, minimizing third-party access risks. The IB962 thus provides not only immediate insights and rapid response times but also helps businesses comply with stringent data protection standards. Additionally, the Edge-AI

architecture saves energy by transmitting only selected and relevant data to central servers, significantly reducing overall power consumption.

Availability and Additional Services

The long-term available IB962 series is available from FORTEC Integrated with a comprehensive range of accessories, including displays, touchscreens, SSDs, and power supplies. Optionally, boards are available pre-installed with Windows 10 or 11 IoT Enterprise LTSC. FORTEC also provides design-in support, BIOS customization, and consulting services.

Words: 338

More information:

<https://www.fortec-integrated.de/en/products/embedded/single-board-computer/detail/ibase/ib962/>

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Images



Image 1: FORTEC Integrated expands portfolio with powerful AI-capable IB962 single-board computer for edge applications

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Image 2: 3.5" single-board computer IB962 from iBASE with Intel® Core™ Ultra Meteor Lake CPU new at FORTEC Integrated

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Image 3: Thomas Schrefel is Product Manager Embedded at FORTEC Integrated

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About FORTEC Integrated

FORTEC Integrated (formerly Distec) is a FORTEC Group company, a globally active and recognized specialist in the field of display technology and embedded computing for projects from all industries. The company, headquartered in Germering near Munich and with a factory in Hörselberg-Hainich near Eisenach, develops, manufactures, and markets innovative solutions and a wide range of components, TFT displays, embedded boards, systems, and services. The innovative solutions from assemblies and kits to OEM end products are based on hardware and software developed by FORTEC Integrated / Distec in its own design center in Germering. FORTEC Integrated's range of services includes customer-specific developments and adaptations, product refinements such as VacuBond® optical bonding and the assembly of monitor systems, as well as the manufacture of finished products. A wide range of touch screens and the internal touch competence center enable individual touch solutions even for difficult environmental conditions. In addition, FORTEC Integrated can draw on the goods, services, and know-how of the extensive FORTEC high-tech company network. Further information can be found at <https://www.fortec-integrated.de/en/>

The products of FORTEC Integrated are available at:

Europe: FORTEC Integrated GmbH, Germering, <https://www.fortec-integrated.de/en/>

UK and Benelux: FORTEC Technology UK, Huntingdon, <https://www.fortec.uk/>

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Power Supplies are available at:

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