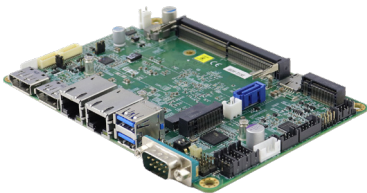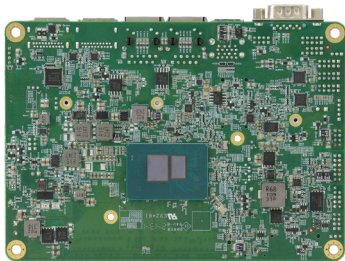intel.

Compact 3.5" SBC for Reliable Edge Computing in Industrial Automation and IoT

iBASE

Dual 2.5GbE, multi-display, rich I/O, and wide-temperature for industrial IoT

The IB839 is a compact 3.5-inch SBC built for industrial applications, powered by Intel® Atom® x7000RE or N-Series processors. It supports dual DisplayPort (DP++), eDP or LVDS, making it ideal for industrial control and digital signage.

Featuring dual PCI-E 2.5GbE LAN, 4 COM ports, 2 USB 3.2, 4 USB 2.0, and 1 SATA III, it ensures strong connectivity. Three M.2 slots (M-key, E-key, B-key) enable SSD, WiFi, and WWAN expansion. With a +12V to +24V DC-in, watchdog timer, digital I/O, and discrete TPM, it delivers reliability and security. Operating from -40°C to +85°C (Atom x7000RE), it excels in edge computing, IoT, and automation, ensuring stable performance in harsh environments.

Key Features

Powerful Processing	Wide Temperature	Versatile Expansion	High-Speed Connectivity

Intel Products & Technology

ATOM Intel® Atom® x7000RE Series

The Intel Atom® x7000E Series are power-efficient processors designed for industrial and embedded applications, offering real-time performance, AI acceleration, and extended reliability for edge computing.