Advanced Edge Computing for AI, Industrial Automation, and IoT
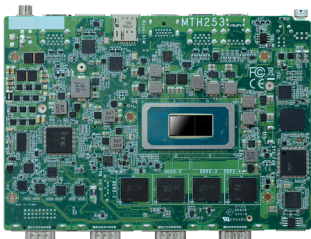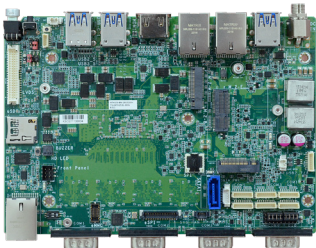

Efficient Intel® Core™ Ultra Processor with Versatile I/O and Display Support for Next-Gen Applications

The MTH253 features an Intel® Core™ Ultra Processor with LPDDR5x-6400 memory, delivering high performance and power efficiency. It supports HDMI, dual-channel LVDS, and USB-C with DP Alt Mode, ensuring flexible display options. For expansion, it includes M.2 M, B, and E Keys, accommodating storage, connectivity, and wireless modules. Its I/O connectivity is comprehensive, offering 2 Intel 2.5GbE, 1 Intel GbE, 6 COM ports, 4 USB 3.2, 1 USB 2.0, and 1 USB Type-C. An optional onboard OOB feature enhances remote management.

With multi-core architecture, efficient power management, and advanced integrated graphics, the Intel® Core™ Ultra Processor makes the MTH253 ideal for AI, edge computing, industrial automation, smart devices, and IoT applications.

Key Features

Multiple Display Support	AI-enabled Applications	Versatile I/O Expansion	Optional On Board OOB

Intel Products & Technology

Intel® Core™ Ultra Processors Series 2

The Intel® Core™ Ultra processor scale performance and AI acceleration, powering edge computing across smart cities, factories, retail, entertainment, and healthcare for advanced AI-driven solutions.