

# High Performance Fanless Mini Computer with Intel® Core™ Ultra Processors



## BCO-500-MTL



### Compact Semi-Rugged System for Industrial AI

[BCO-500-MTL](#) is a high-performance, semi-rugged fanless mini industrial PC purpose-built for edge AI and automation workloads. Powered by Intel® Core™ Ultra 5 (125U) or Intel® Core™ Ultra 7 (155U) processors with integrated Intel® AI Boost NPU, it delivers advanced AI inferencing and energy-efficient computing in a compact footprint. The system supports up to 32 GB DDR5 memory and features triple 2.5 GbE LAN, dual DisplayPort, and USB-C for versatile connectivity. Expansion options include M.2 B-Key for SATA storage, M.2 E-Key for wireless (Wi-Fi/BT), and M.2 M-Key for NVMe SSDs, enabling flexible configurations for data-intensive edge applications. Built for industrial reliability, the BCO-500-MTL offers a fanless design, wide-range 12–24 VDC power input, and TPM 2.0 security, all within a rugged chassis certified to UL, CE, and FCC standards—optimized for real-time AI processing at the edge.



### Key Features



Semi-Rugged  
Fanless Design



Rich IIoT Centric  
Connectivity



Flexible Mounting  
Capabilities



UL, FCC and  
CE Certified

### Intel Products & Technology



[Intel® Core™  
Ultra Processors](#)



[Intel® AI Boost](#)

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