



AIO-200-MTL SERIES

INTEL® CORE™ ULTRA ALL-IN-ONE INDUSTRIAL TOUCHSCREEN COMPUTER

POWERFUL, RUGGED, AND FLEXIBLE
SOLUTION FOR INTELLIGENT HMI AND
EDGE CONTROL APPLICATIONS



AIO SERIES ALL IN ONE INDUSTRIAL TOUCHSCREEN COMPUTER

Premio delivers a streamlined all in one touchscreen computer with reliable, versatile, and efficient features.



All In One Integrated
System



Zero Downtime &
Upgrades



Efficient Compute
Performance



Seamless Application
Integration



Rugged. Flexible. Connected.

As industrial environments become increasingly connected and data-driven, the need for durable, high-performance, and adaptable HMI solutions continues to grow. The AIO-200-MTL Series addresses this need with an all-in-one design that brings Intel® Core™ Ultra computing power to the edge. Built for Industry 4.0 automation, machine interfaces, and industrial control, this platform integrates seamlessly into SCADA systems, production dashboards, smart kiosks, and factory panels—empowering operators with real-time data access and responsive control.

Powered by Intel® Core™ Ultra 5 and 7 processors (Meteor Lake U-Series), the AIO-200-MTL Series delivers intelligent, power-efficient performance for multitasking and edge analytics. It is available in three display sizes—10.1", 15.6", and 21.5" to meet varied deployment requirements. Its fanless design, front IP65 protection, 7H scratch-resistant glass, and MIL-STD-810H-validated durability ensure long-term reliability in demanding industrial environments.

Key Features

- Intel® Core™ Ultra 5/7 Processors (Meteor Lake U-Series)
- 10.1", 15.6", 21.5" Touch Displays with IP65, 7H, IK07 Protection
- 3x LAN, 3x USB, 1x Type-C, 2x COM, 2x DP
- M.2 B-Key for 4G/5G and E-Key for Wi-Fi/Bluetooth
- MTBF 50,000 hrs
- UL, CE, FCC, CB, UKCA, IC Certified



Industrial
Automation
& Machine Control



SCADA & Process
Visualization



Industrial
Human-Machine
Interfaces (HMI)



Smart Retail
& Self-Service
Kiosks



Transportation
& Fleet
Operations



Building & Energy
Management
Systems



Intel® Core™ Ultra 5/7 Processors

At the core of the AIO-200-MTL Series are Intel® Core™ Ultra 5 and 7 processors (Meteor Lake U-Series), delivering AI-ready efficiency in compact, fanless industrial systems. With a hybrid architecture of Performance-, Efficient-, and Low Power Island cores, these processors balance workloads for real-time responsiveness and optimized power use at the edge.

Built on Intel's advanced process technology, Meteor Lake integrates Intel® Iris® Xe graphics, AI acceleration, and a dedicated NPU — ideal for industrial HMIs, SCADA visualization, and edge inference. Supporting up to 48GB DDR5 5600 MT/s memory, PCIe Gen 4 storage, and high-speed I/O, the AIO-200-MTL delivers fast data handling and reliable 24/7 performance in rugged environments.

125U



155U

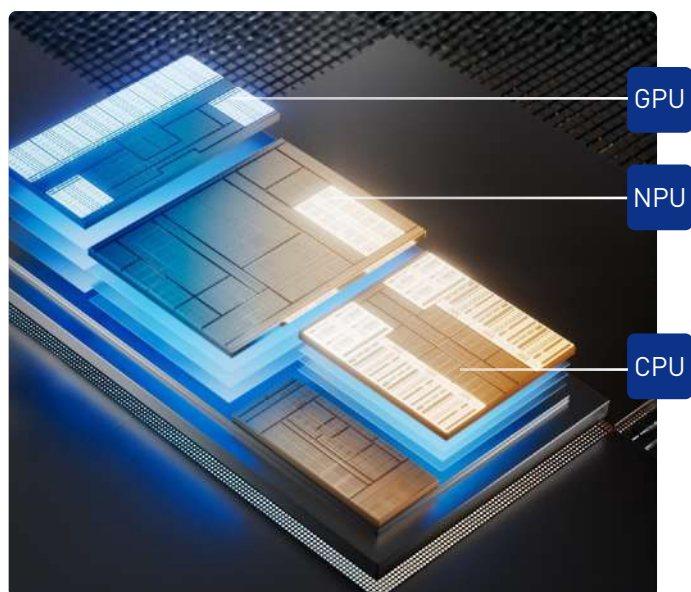


Processor Highlights:

- Intel® Core™ Ultra 5 125U / Ultra 7 155U (Meteor Lake U-Series)
- Hybrid architecture with integrated NPU for AI acceleration
- Intel® Iris® Xe graphics for advanced visualization
- Up to 48 GB DDR5 5600 MT/s SO-DIMM memory

3D Performance Hybrid Architecture

The Meteor Lake platform combines 2 P-cores, 8 E-cores, and 2 LP E-cores for up to 12 cores/14 threads of hybrid computing. Dynamically balances workloads for faster, more efficient processing at the edge.



Integrated AI and Graphics Acceleration

Unlike previous processors, Meteor Lake integrates both Intel® Arc™ GPU and Intel® AI Boost NPU for parallel AI and graphics acceleration. Together they deliver up to 11 TOPS of on-device AI performance—powering computer vision and intelligent automation without external GPUs.

Ultra-Low Power U-Series Design

Delivers up to 4.8 GHz performance within a 15 W TDP, enabling fanless, energy-efficient operation. This design ensures sustained reliability and energy savings for 24/7 industrial use in fanless deployments.

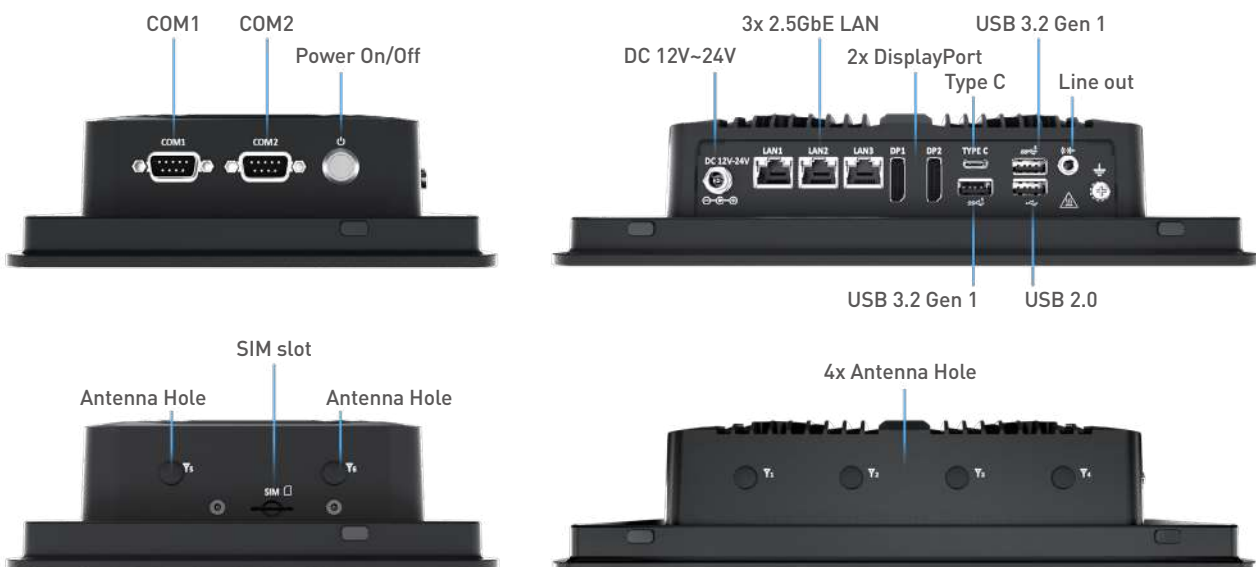
Durable Touch Displays for Industrial Environments

Available in 10.1", 15.6", and 21.5" sizes, each display features Full HD or WXGA resolution, projected capacitive multi-touch, and 16.7 M color depth for crisp, interactive visuals. A front IP65-rated panel, 7H scratch-resistant glass, and IK07 impact protection safeguard against water, dust, and physical contact—making the AIO-200-MTL Series a dependable choice for factory floors, kiosks, and control stations.



Comprehensive I/O Connectivity for Seamless Integration

Designed for industrial interoperability, the AIO-200-MTL Series offers a comprehensive I/O configuration. It includes three 2.5GbE LAN ports for reliable networking, three USB ports and one USB Type-C for high-speed peripheral connections, two COM ports for legacy device integration, and two DisplayPort outputs for dual-screen display support. The system also features audio line-out with microphone input and supports up to six external antennas, enabling flexible deployment for wired and wireless connectivity in advanced industrial automation and control environments.





Scalable Wireless Expansion for Modern Connectivity

Dual M.2 slots provide flexible wireless scalability—B-Key for 4G/5G cellular modules and E-Key for Wi-Fi and Bluetooth. This ensures reliable connectivity for IoT integration, remote monitoring, and real-time data exchange across industrial networks.



Long-Life Reliability and Longevity

Engineered for 24/7 industrial operation, the AIO-200-MTL Series is validated with an MTBF of up to 50,000 hours, ensuring consistent performance and reduced downtime. Its fanless architecture minimizes maintenance while enhancing system longevity in dust-prone or vibration-intense environments.

Certified for Global Industrial Standards

Tested to meet MIL-STD-810H shock and vibration criteria and certified under UL, CE, FCC, CB, UKCA, and IC, the AIO-200-MTL Series guarantees safe, reliable, and globally compliant operation in regulated industrial and semi-outdoor deployments.



We Create World-Class Edge Computers For Your Industry-Leading Solutions



AIO-200-MTL SERIES



intel

Model	AIO-W210-MTL	AIO-W215-MTL	AIO-W221-MTL
CPU Onboard	Intel® Core™ Ultra 5 125U / Ultra 7 155U (Meteor Lake U-Series)		
Memory	1x DDR5 5600 MT/s SO-DIMM, up to 48GB		
Storage	1x M.2 M Key (2280, PCIe x4 Gen 4/SATA) support for NVMe/SATA SSD, Auto Detect		
Expansion	1x M.2 B Key (3042/3052, PCIe x2+USB 3.0+USB 2.0) support for 4G/5G/NVMe 1x M.2 E Key (2230, PCIe+USB 2.0) for Wifi/Bluetooth		
Power	12-24V DC, DC Jack 5.5mm/2.5mm, 150W (20V/7.5A Default)		
Operating Temperature	-10°C to 50°C		
Certification	UL 62368 Ed. 3, CE, FCC Class A, CB, UKCA, IC		
IP Rating	Front Panel IP65		
LCD Size	10.1" (16:10) WXGA	15.6" (16:9) FHD	21.5" (16:9) FHD
Brightness [cd/m2]	400 nits	400 nits	500 nits
Projected Capacitive	10 Point - Capacitive		
Surface Hardness	Front IP65, 7H Glass Hardness, IK07 Impact Resistance		