

Intel® Core™ Ultra Overview

YOUR AT-A-GLANCE GUIDE FOR MODERN COMPUTING

PROCESSORS	Intel® Core™ Ultra 100U Series	Intel® Core™ Ultra 100H Series	Intel® Core™ Ultra 200V Series	Intel® Core™ Ultra 200U Series	Intel® Core™ Ultra 200H Series
END-USER CATEGORY					
Target User	General office workers, basic multitaskers, value-conscious deployments.	Power users, content creators, and engineers needing high computational power.	Highly-mobile users, executives, and field staff who prioritize extreme battery life in an ultra-thin laptop.	General office workers, general business use, and multitasking.	Power users, analysts, content creators, and engineers needing high computational power.
Primary Advantage	Balance of cost, performance, and power efficiency for broad fleet deployment.	Strong CPU and GPU performance for demanding tasks.	Exceptional power efficiency, smallest form factor possible, on-package memory, high NPU AI performance.	Balance of cost, performance, and power efficiency for broad fleet deployment.	Max CPU performance and faster clock speeds for demanding applications.
Battery Life	Reliable all-day usage: 10-12 hours.	Reliable all-day usage: 10-12 hours.	Exceptional battery life: 20+ hours.	Like 100U series (10-12 hours) with specific models offering around 18.5 hours.	Impressive battery life: 15-16 hours.
PERFORMANCE AND LONGEVITY					
AI Capabilities	Entry-level AI PC: NPU provides hardware acceleration for basic Windows Studio Effects (noise suppression, background blur, ~10 platform TOPS).	Entry-level AI PC: NPU provides hardware acceleration for basic Windows Studio Effects and AI-enhanced apps (~11 platform TOPS).	Copilot+ PC: Meets Microsoft's 40 TOPS requirement (48 TOPS) for exclusive, on-device AI features like Recall and advanced security (up to 120 total platform TOPS).	Entry-level AI PC: NPU provides hardware acceleration for basic Windows Studio Effects and AI-enhanced apps (up to 24 total platform TOPS).	Entry-level AI PC: NPU provides hardware acceleration for basic Windows Studio Effects and AI-enhanced apps (up to 99 total platform TOPS).
Graphics	Intel® Graphics (64 EUs)	Next-gen integrated Intel® Arc graphics (7 or 8 Xe-cores)	Next-gen integrated Intel® Arc graphics (7 or 8 Xe-cores)	Standard Intel® Graphics (4 Xe-cores)	Next-gen integrated Intel® Arc graphics (7 or 8 Xe-cores)
Typical Power (TDP)	Lower power (~15W base power)	Higher power (28W to 45W base power)	Very low power (17W to 30W range, designed for extreme efficiency)	Lower power (~15W base power)	Higher power (28W to 45W base power)
IT MANAGEMENT AND SECURITY LEVEL					
Security and Manageability	Intel vPro® Enterprise: Full suite of features ensuring comprehensive hardware security and robust remote management capabilities.	Intel vPro® Enterprise: Full suite of features including comprehensive remote KVM control, advanced security, and stability.	Intel vPro® Enterprise: Full suite of features with enhanced AI security, robust remote manageability, and advanced hardware authentication.	Intel vPro® Enterprise: Full suite of features ensuring comprehensive hardware security and robust remote management capabilities.	Intel vPro® Enterprise: Full suite of features ensuring comprehensive hardware security and robust remote manageability capabilities.
Connectivity	Supports standards such as Thunderbolt 4 and Wi-Fi 6E/7.	Supports standards such as Thunderbolt 4 and Wi-Fi 6E/7.	Supports modern standards like Wi-Fi 7 and Thunderbolt 5.	Supports next-gen standards such as Thunderbolt 5 and Wi-Fi 7.	Supports next-gen standards such as Thunderbolt 5 and Wi-Fi 7.
Architecture	Meteor Lake	Meteor Lake	Lunar Lake	Arrow Lake, refreshed Meteor Lake	Arrow Lake



KEY RECOMMENDATIONS FOR YOUR FLEET

Based on the processor specifications and target applications, here is a high-level summary to guide your procurement decisions:

Intel® Core™ Ultra 100U/H Series

A “Good Laptop” choice for mobile users seeking an entry-level AI PC that balances cost and functionality.

Intel® Core™ Ultra 200U/H Series

A “Better Performance Laptop” option for mobile users who need reliable AI PC features, a broader list of configurations, and solid performance.

Intel® Core™ Ultra 200V Series

The “Best Lightweight Laptop” for mobile users seeking the ultimate AI PC performance, exceptional battery life, and the highest level of futureproofing for Microsoft’s Copilot+ features.

Contact your Account Team for more information.

1.800.800.0014

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