

Intel® Core™ Ultra Series 3 Processors

Delivered by SCC

Intel® technology expertise, integration capability, and enterprise delivery from one of Europe's leading IT services providers.

About SCC

SCC is a leading European IT services and solutions provider, partnering with Intel to design, integrate, and deliver enterprise grade platforms for public sector, education, healthcare, and commercial organisations.

Intel® Core™ Ultra Series 3 Processors deliver premium performance, leading AI experiences, game-changing graphics, and the ability to work everywhere. This new generation of processors is engineered for mobility without compromise, featuring the latest P-core, E-core, and LP E-core architecture, a built-in NPU that enables Copilot+, and available with a built-in Intel® Arc™ GPU.¹

This series of processors serves a wide range of system types and user needs, built on a foundation of great battery life, power-efficient performance, and premium AI capabilities.

Intelligent Performance with Next-gen AI and Premium Graphics

Premium Performance

New next-gen Performance-cores, Efficient-cores, and Low Power Efficient-cores enables performance that can last throughout the day, packing Intel's latest core architecture into a single processor that delivers breakthrough power and efficiency.

New Core Architecture

Next-gen

P-cores

Driving Snappy and Responsive Experiences

Next-gen

E-cores

Driving Multi-thread Performance & Parallelism

Next-gen

LP E-cores

Driving Efficient Performance for Everyday Tasks

Engineered to Outlast

With the performance efficiency of Intel's latest mobile core architecture, batteries can work as long as your customers do, helping them work, play, and multitask through their most demanding workloads.

Performance For Everything Your Customers Do

Intel® Core™ Ultra processors feature up to 16 cores, optimized for real-world performance and ready to power the latest apps.

Premium Performance

Up to

4

Next-gen P-cores

Up to

8

Next-gen E-cores

Up to

4

Next-gen LP E-cores

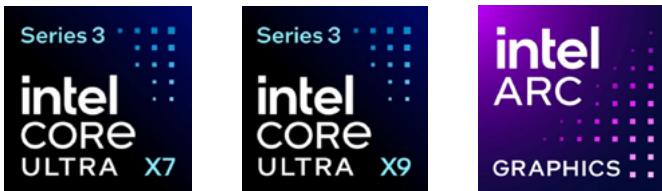
Intel® Core™ Ultra Series 3 Processors

Exceptional On-the-go Experience

- Support for more apps, more games, and more freedom for your customers to do what they want, wherever they want to.
- Accelerated video & creative workflows.
- Performance for work, play, and everything in between.

Intel® Core™ Ultra Processors with Built-in Intel® Arc™ GPU. Game-changing Graphics

Providing groundbreaking graphics performance for ultra-thin and light laptops.



NEW Built-in Intel® Arc™ GPU¹ delivers power-efficient visuals with X³ Architecture.

Up to 12 X^ecores

Up to 120 TOPS

Intel® X^eSS 3 (X^e Super Sampling 3) for AI upscaling and ultra smooth gameplay with XeSS-SR (XeSS Super Resolution) and XeSS-MFG (XeSS Multi-Frame Generation). Plus X^eLL (X^e Low Latency) for faster responsiveness.

FEATURED Intel® XMX (X^e Matrix eXtensions) engines with XMX engines purpose-built for AI experiences²

Longer play sessions with Endurance Gaming.

Intel® Core™ Ultra Series 3 Processors. AI Excellence

NEW NPU Architecture (Neural Processing Unit)

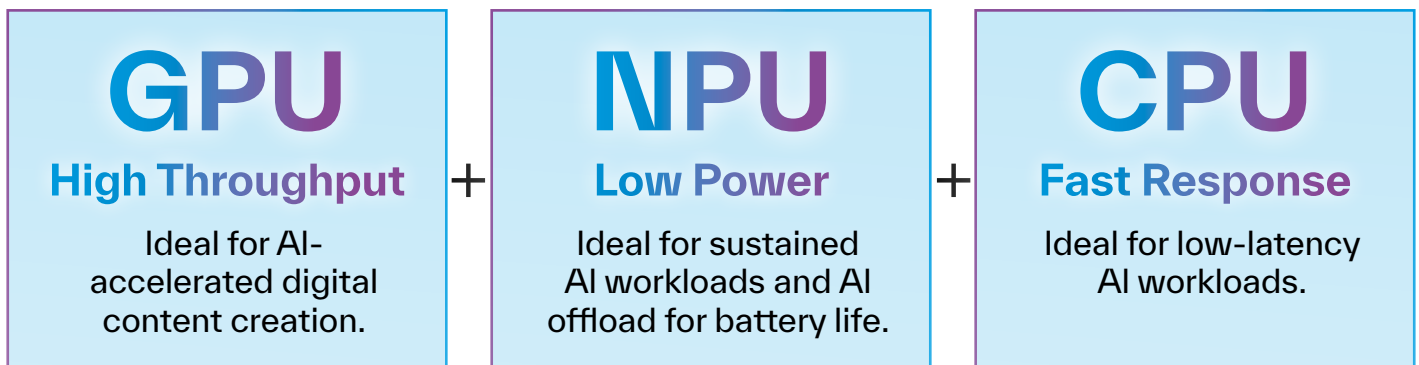
Introducing
NPU 5 Architecture

Up to 50 TOPS
Across the Stack

Intel® Core™ Ultra Series 3 Processors

Intel® Core™ Ultra Processors

The Foundation of the AI PC



Leadership AI Performance³:

- NPU 5 Architectures with up to 50 TOPS of acceleration

Intel® XMX (X^e Matrix Extensions) & XMX engines:

- Each X^e core contains integrated XMX engines²

Comprehensive AI:

- Advancing PC & edge ecosystems
- Igniting the AI software ecosystem
- 350+ ISVs
- 500+ AI-accelerated features
- 900+ AI models supported



Premium Platform Upgrades

Thunderbolt™ Technologies

Thunderbolt™5 Technology delivers 80 Gbps bidirectional bandwidth and 120 Gbps of transmit bandwidth with Bandwidth Boost mode.

Thunderbolt™5 Technology delivers 2x the bandwidth for data transfer vs Thunderbolt™4 Technology with fast device charging up to 240W⁴ and dual 8K monitor support⁵ to enhance all your PC experiences.

Thunderbolt™4 ports and cables support the trifecta of power charging, bidirectional data transfer, and video display in a single interface.



Intel® Core™ Ultra Series 3 Processors

Thunderbolt™ Share

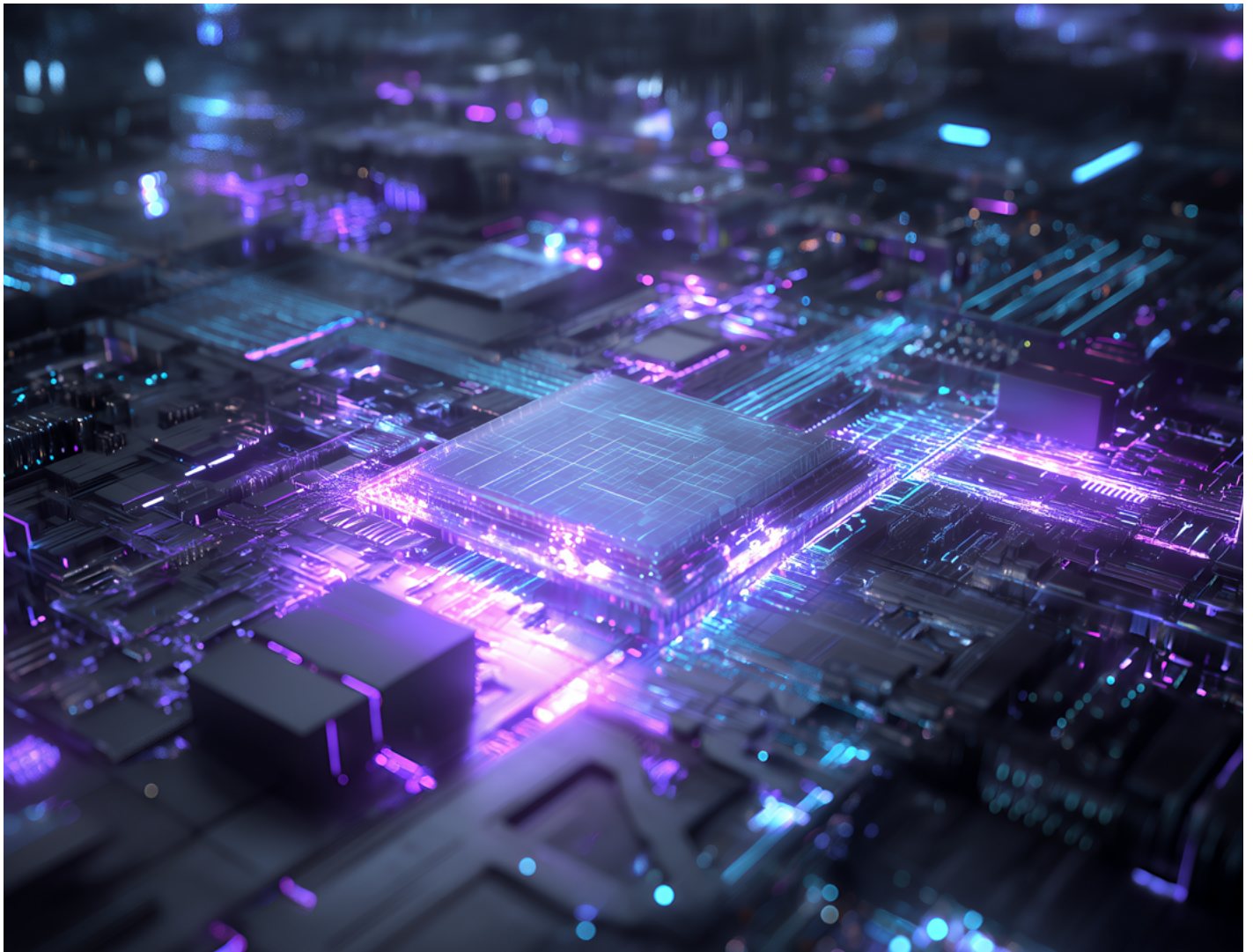
Offers users an easy, fast, and efficient way to do more with two PCs by sharing screens, keyboard, mouse, storage, and files with the speed of Thunderbolt™ technology.

Intel® Wi-Fi 7 R2 (5 Gig)⁶ and Dual Bluetooth® Core 6 Support

Enjoy immersive untethered streaming, collaboration, and gaming experiences with up to 4.8X faster speeds and 60% lower latencies vs. Wi-Fi 6⁷ and high fidelity, multi-stream Bluetooth® LE Audio.

Intel® Connectivity Performance Suite⁸

Acts as your built-in IT expert by continuously optimizing your Wi-Fi connection and prioritizing your important applications to help enable improved responsiveness, better resolution, and faster speeds.



Intel® Core™ Ultra Series 3 Processors

Features at a Glance

Feature	Benefit
Built-in Intel® Arc™ GPU¹	The Intel® Arc™ graphics brand represents Intel's premium graphics brand across gaming, content creation, AI, and workstation.
Intel® X°SS 3 (X° Super Sampling)	Experience smoother and faster gameplay through a combination of AI-driven technologies wrapped into one package: X°SS Super Resolution to increase performance with XeSS Multi Frame Generation.
Intel® X°SS-SR	X°SS-SR delivers innovative, framerate-boosting technology, which is supported by Intel® Arc™ GPUs.
Intel® X°LL (X° Low Latency)	When incorporated into an application, X°LL receives per-frame timing information that allows it to calculate the CPU delay that an application should apply before work on the next frame begins.
Intel® X°SS-MFG	X°SS-MFG enables AI-based frame interpolation technology supported by Intel® Arc™ GPUs.
Intel® XMX AI Engines (X° Matrix Extensions)²	AI engines integrated into the X°-cores of Intel® Arc™ GPUs. They enable Intel® Arc™ graphics to accelerate today's increasingly important AI workloads.
Endurance Gaming Mode	Extends playtime on battery by balancing frame rate and power consumption.
Intel® Intelligent Display Technology	Intel® Intelligent Display Technology uses AI-driven awareness to extend battery life by dynamically optimizing display power. It senses user engagement and content in real time-dimming, adjusting refresh rates, and instantly responding when you return, for smarter efficiency without compromise.
IPU 7.5°	For smarter, AI-driven imagine to the PC - support for next-gen high-resolution camera sensors; delivering cleaner low-light video collaboration and richer HDR.
Thunderbolt™ Technology	Thunderbolt™ technology offers a best-in-class set of capabilities to deliver the simplest, most reliable, and fastest cable solution available for connecting to power and your favorite accessories.
Thunderbolt™ Share	Offers users an easy, fast, and efficient way to do more with two PCs by sharing screens, keyboard, mouse, storage, and files with the speed of Thunderbolt™ technology.
Intel® Wi-Fi 7°	Experience a quantum leap in wireless performance from 8K streaming video to immersive VR experiences, users around the world can enjoy all-new levels of increased speed and reduced latency compared to previous wireless generation products.
Bluetooth® Technology	Bluetooth® short-range wireless technology enables two devices to connect directly without requiring supporting network infrastructure such as a wireless router or access point.

Intel® Core™ Ultra Series 3 Processors

Intel® Core™ Ultra Series 3 Processors SKUs

Processor Brand & Number	Intel® Core™ Ultra X9 Processors 388H	Intel® Core™ Ultra 9 Processors	Intel® Core™ Ultra X7 Processors 368H	Intel® Core™ Ultra 7 Processors 366H	Intel® Core™ Ultra 7 Processors 365	Intel® Core™ Ultra X7 Processors 358H	Intel® Core™ Ultra 7 Processors 356H	Intel® Core™ Ultra 7 Processor 355	
Total Cores & Threads	16	16	16	16	8	16	16	8	
P-Core Max Core Turbo Freq (GHz) ¹⁰	5.1	4.9	5.0	4.8	4.8	4.8	4.7	4.7	
Intel® Smart Cache LLC (MB)	18	18	18	18	12	18	18	12	
Integrated NPUPTOPS ^{2,9}	50	50	50	50	49	50	50	49	
Graphics Brand ¹	Intel® Arc™ B390 GPU	Intel® Graphics	Intel® Arc™ B390 GPU	Intel® Graphics	Intel® Graphics	Intel® Arc™ B390 GPU	Intel® Graphics	Intel® Graphics	
	Intel® Arc™ Pro B390 GPU		Intel® Arc™ Pro B390 GPU						
Total X* Cores	12	4	12	4	4	12	4	4	
Intel vPro®12 Eligible	Yes					No			
Intel® SIPP	Yes					No			
Total Platform PCIe Lanes, CPU PCIe Config	12 (8 G4, 4 G5)	20 (8 G4, 12 G5)	12 (8 G4, 4 G5)	20 (8 G4, 12 G5)	12 (8 G4, 4 G5)	12 (8 G4, 4 G5)	20 (8 G4, 12 G5)	12 (8 G4, 4 G5)	
Thunderbolt™ Technology	4 Integrated Thunderbolt™ 4 Ports, Discrete Thunderbolt™ 5 Technology Support				4 Integrated Thunderbolt™ 4 Ports	4 Integrated Thunderbolt™ 4 Ports, Discrete Thunderbolt™ 5 Technology Support		4 Integrated Thunderbolt™ 4 Ports	
Wi-Fi, Bluetooth®	Integrated Wi-Fi 7 R2 / Dual Bluetooth® Core 6.0								
Maximum Memory Speed (MT/s) ¹³	LP5/X 9600	LP5/X 8533 DDR5 7200	LP5/X 9600	LP5/X 8533 DDR5 7200	LP5/X 7467 DDR5 6400	LP5/X 9600	LP5/X 8533 DDR5 7200	LP5/X 6800 DDR5 6400	
Maximum Memory Capacity (GB) ¹³	96 (LP5/X)	96 (LP5/X) 128 (DDR5)	96 (LP5/X)	96 (LP5/X) 128 (DDR5)		96 (LP5/X)	96 (LP5/X) 128 (DDR5)		
Processor Base Power (W)	25								
Maximum Turbo Power (W) ¹⁴	65,80	65,80	65,80	65,80	55	65,80	65,80	55	

Intel® Core™ Ultra Series 3 Processors

Intel® Core™ Ultra Series 3 Processors SKUs

Processor Brand & Number	Intel® Core™ Ultra 5 Processors 338H	Intel® Core™ Ultra 5 Processors 336H	Intel® Core™ Ultra 5 Processors 335	Intel® Core™ Ultra 5 Processors 325	Intel® Core™ Ultra 5 Processors 332	Intel® Core™ Ultra 5 Processors 322
Total Cores & Threads	12	12	8	8	6	6
P-Core Max Core Turbo Freq (GHz) ¹⁰	4.7	4.6	4.6	4.5	4.4	4.4
Intel® Smart Cache LLC (MB)	18	18	12	12	12	12
Integrated NPU TOPS ^{2,9}	47	47	47	47	46	46
Graphics Brand ¹	Intel® Arc™ B370 GPU	Intel® Graphics				
	Intel® Arc™ Pro B370 GPU					
Total X ^e Cores	10	4	4	4	2	2
Intel vPro®12 Eligible	Yes			No	Yes	No
Intel® SIPP	Yes			No	Yes	No
Total Platform PCIe Lanes, CPU PCIe Config	12 (8 G4, 4 G5)	20 (8 G4, 12 G5)	12 (8 G4, 4 G5)			
Thunderbolt™ Technology	4 Integrated Thunderbolt™ 4 Ports, Discrete Thunderbolt™ 5 Technology Support		4 Integrated Thunderbolt™ 4 Ports			
Wi-Fi, Bluetooth®	Integrated Wi-Fi 7E2 Dual Bluetooth® Core 6.0					
Maximum Memory Speed (MT/s) ¹³	LP5/X 8533	LP5/X 8533 DDR5 7200	LP5/X7467 DDR5 6400			
Maximum Memory Capacity (GB) ¹³	96 (LP5/X)	96 (LP5/X) 128 (DDR5)				
Processor Base Power (W)	25					
Maximum Turbo Power (W) ¹⁴	65,80	65,80	55	55	55	55

Intel® Core™ Ultra Series 3 Processors

Intel® Core™ Ultra Series 3 Processor Overview

New Features

X^e Media Engine²	CPU: Up to 16 Cores* GPU: Up to 12 X^e3 cores*	Up to LPDDR5X 9600^{13*} Up to DDR5 7200¹³
X^e3 Architecture		Up to ²⁰ PCIe Lanes*
Intel® Wi-Fi 7 R26 Dual Bluetooth® Core 6.0		Up to ⁵⁰ TOPS
IPU 7.5		Intel® Partner Security Engine
Audio & Sensing		Intel® Total Storage Encryption

SCC Value Add

SCC complements this Intel® platform with tailored configuration, secure supply chain, and enterprise deployment services to meet organisational, regulatory, and operational requirements.

Within SCC delivered solutions, the capabilities described in this datasheet can be applied across a range of environments including:

- Enterprise and public sector infrastructure
- Education and research computing
- Secure and managed workplace platforms
- Edge, on premises, and hybrid deployments

SCC works with customers to translate these hardware capabilities into fully operational solutions through design, integration, and ongoing support services.



Intel® Core™ Ultra Series 3 Processors

Notices & Disclaimers

- Intel® Arc™ Brand:** Built-in Intel® Arc™ GPU only available on select Intel® Core™ Ultra Series 3 processor-powered systems that meet minimum Xe core requirement. Other system configurations feature Intel® Graphics. For more information visit [intel.com/arc](https://www.intel.com/arc). Results may vary.
- X® Matrix eXtensions:** Intel® X® Matrix eXtensions (Intel® XMX) are specialized AI engines that operate on systolic arrays, resulting in a high value of calculated PTOPS based on assumptions about certain operating conditions that directly benefit in accelerating AI workloads.
- Leadership AI Performance:** As of Dec. 2025, based on strong performance and unmatched software options and robust AI features optimized for Intel hardware. AI features may require additional purchase, subscription or enablement, or may have specific configuration or compatibility requirements. Details at www.intel.com/PerformanceIndex.
- Thunderbolt™:** Laptop charging: Thunderbolt™ 4 technology for thin and light notebooks that require up to 100W to charge. Thunderbolt™ 5 technology for laptops that require up to 140W to charge. 140W-240W is available on some devices.
- Thunderbolt™:** With support for 3:1 display stream compression.
- Intel® Wi-Fi 7:** Wi-Fi 7 is subject to regional availability, and operation requires the use of Intel® Wi-Fi 7(5 Gig) products in conjunction with operating systems and routers/APs/Gateways that support Wi-Fi 7. Learn more at <https://www.intel.com/performance-wireless>.
- Intel® Wi-Fi:** Intel engineering simulations of congested network environments indicate major latency reduction is possible with new Wi-Fi 7 Multi-Link Operation capabilities. While Wi-Fi 7 is backwards compatible with previous generations, new Wi-Fi 7 features require PCs configured with Intel Wi-Fi 7 solutions, PC OEM enabling, operating system support, and use with appropriate Wi-Fi 7 routers/APs/gateways. 6 GHz Wi-Fi 7 may not be available in all regions. Performance varies by use, configuration and other factors. For details on performance claims, learn more at www.intel.com/performance-wireless.
- Connection Software:** Connection optimization software is available on select platforms that require Intel Connectivity Performance Suite (ICPS). For more information, visit <https://www.intel.com/content/www/us/en/products/docs/wireless/connectivity-performance-suite.html>
- IPU 7.5:** Intel IPU 7.5 is available on Intel® Core™ Ultra Series 3 SKUs, supporting up to 3 cameras, up to 16MP. OEM enablement required. Check with OEM for IPU spec and supported sensors.
- CPU Frequency:** The frequency of cores and core types varies by workload, power consumption, and other factors. Visit www.intel.com/technology/turboboost for more information.
- PTOPS:** Neural Processing Unit (NPU) and GPU-based Peak Tera Operations Per Second (PTOPS) is a calculated value based on several assumptions about operating conditions, including but not limited to maximum frequency, data type, and other design and workload parameters.
- Intel vPro®:** Intel vPro® support requires Corporate ME Firmware, not supported with Consumer ME Firmware. Please refer to Intel vPro® brand requirements for Intel® Core™ Ultra Series 3 processors.
- Memory:** Maximum memory speeds are associated with board type and DIMM configurations, which may also affect maximum memory capacity. For configuration details, refer to the Intel® Core™ Ultra Series 3 Processor External Design Specification (EDS, Doc ID 815002 and Intel® Core™ Ultra Series 3 Processor Enabling Document (Doc ID 847650).
- Power:** System designs using Processor Base Power (PBP) of 25W and Maximum Turbo Power (MTP) of 64W are supported. System designs using PBP of 45W and MTP of 80W are supported.

AI features may require software purchase, subscription or enablement by a software or platform provider, or may have specific configuration or compatibility requirements. Data latency, cost, and privacy advantages refer to non-cloud-based AI apps. Learn more at [intel.com/AIPC](https://www.intel.com/AIPC).

Performance varies by use, configuration, and other factors. Learn more at www.intel.com/PerformanceIndex.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure.

Your costs and results may vary.

Intel technologies may require enabled hardware, software, or service activation.

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