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Product Brief

Intel® Processor and Intel® Core™ 3 N-series Processors

Intel N-Series processors, formerly codenamed Twin Lake, deliver the increased performance you need at the affordability you want to connect, learn, and play anywhere. The Gracemont CPU microarchitecture features up to 8 efficient cores ("E-cores"), enabling easy, responsive, streamlined experiences.

Intel N-Series
What's New

Collaborate and stream with confidence with:

- **NEW** Discrete Intel® Wi-Fi 7 (5 Gig) & Bluetooth® 5.4
- Integrated Intel® Wi-Fi 6E (Gig+) & Bluetooth® 5.3
- **NEW** Intel® Bluetooth® LE Audio Support[1]
- **NEW** Intel Connectivity Manager (ICM) Support[1]
- **NEW** Higher CPU and Graphics Performance
- High Image Quality Image Processing Unit (IPU 6EP)
- **NEW** Below the OS Security Features

Intel N-Series processors boast exciting new experiences, scalability, and flexibility. Choose your laptop or desktop, Windows or ChromeOS, and enjoy a balance of scaled-up performance and value for the essential, entry-level PC that's right for you.

Student **Productivity**

As teaching and learning evolve, PCs must evolve too. With a suite of advanced platform technologies, Intel N-series processors allow students and educators to immerse, engage, and learn in new ways. Integrated Intel® Wi-Fi 6E (Gig+) offers great performance and flexibility for connectivity anywhere—from multi-client homes, to school, or even low-connectivity environments. And with new discrete Intel® Wi-Fi 7 BE200, users can expect unparalleled Wi-Fi experiences.

This technology offers wired-like PC networking with extreme performance, boasting speeds faster than most wired networks at 5 Gbps[2]. Intel® Wi-Fi 7 (5 Gig) ensures reliability through continuously optimized connections, ultra-low latencies and predictable, stable performance by avoiding interference and congestion. Additionally, it provides enhanced security with next-level authentication, encryption, and identity concealment, and extended operating range for Bluetooth® connected devices, and support for Bluetooth® LE audio.

Anytime, **Anywhere** Learning

Intel N-series processors include an Image Processing Unit (IPU 6) that supports higher resolution cameras which may help lower cost and support for a MIPI camera that improves temporal noise reduction, face reproduction, and preserves image details, crispness, and color tone. Teachers and students can boost learning time with better classroom broadcasting, neural net-based removal of visual distractions in the background, and adaption to poor lighting conditions. Whether in the classroom, at home, or on-the-go, N-series processors enable students to collaborate, communicate, and learn with confidence, all while enjoying a long-lasting battery life.

Scaled Up
Performance and Value

The newest Intel N-series processors bring dynamic performance advancements in an affordable, entry-level device. N-series processors give you the flexibility to select the best processor for your needs–choose a 4-E-core Intel® Processor with new higher graphics performance or scale up to an 8-E-core Intel® Core™ 3 N-series processor with new higher performance CPUs. Users can experience faster browsing and better office productivity to accomplish more. Intel N-series processors harness power and efficiency to support learning, browsing, and productivity at an affordable cost.

Play and Stream
Anywhere

At home or on the go, Intel® N-series processors deliver affordable performance for playing, creating, and streaming.

Experience next-generation wireless audio for PCs with Intel® Bluetooth® LE Audio support[1]. Delivering amazing Bluetooth® audio experiences, this technology allows users to enjoy immersive music, videos, gaming, and VR with true wireless stereo and synchronized multi-stream audio, while also enhancing music and speech quality with higher-rate audio sampling. Intel® Bluetooth® LE Audio also enables longer battery life, with up to 50% lower power consumption.[3]

Intel N-Series Processors
Features At-a-Glance

	INTEL® CORE™ 3 N-SERIES PROCESSORS	
	Intel® Core™ 3-N355	Intel® Core™ 3-N350
Max Turbo Frequency	3.9 GHz	3.9 GHz
Number of Processor Cores/Threads	8/8	8/8
L3 Cache	6 MB	6 MB
Memory Specifications	DDR5/LPDDR5 4800 MHz DDR4 3200 MHz	DDR5/LPDDR5 4800 MHz DDR4 3200 MHz
Graphics Brand	Intel® Graphics	Intel® Graphics
Graphics Max Frequency	Up to 1.35 GHz	Up to 1.35 GHz
Processor Base Power	15 W	7 W

	INTEL® PROCESSORS, N-SERIES	
	Intel® Processor N250	Intel® Processor N150
Max Turbo Frequency	3.8 GHz	3.6 GHz
Number of Processor Cores/Threads	4/4	4/4
L3 Cache	6 MB	6 MB
Memory Specifications	DDR5/LPDDR5 4800 MHz DDR4 3200 MHz	DDR5/LPDDR5 4800 MHz DDR4 3200 MHz
Graphics Brand	Intel® Graphics	Intel® Graphics
Graphics Max Frequency	1.25 GHz	1.0 GHz
Processor Base Power	6 W	6 W

Notices & Disclaimers

1. Supported on Windows only.

2. Based on IEEE wireless standard specifications and the maximum theoretical data rates for 2-stream devices. Learn more at intel.com/performance-wireless. Results may vary.

3. The Bluetooth® Low Energy Audio specification from the Bluetooth® SIG requires a new LC3 codec which enables improved Bluetooth® audio quality at up to 50% lower bit rates and up to 50% lower Bluetooth® power consumption than Classic Bluetooth® Audio with the legacy SBC codec. Performance varies by use, configuration, and other factors. Your costs and results may vary. Intel technologies may require enabled hardware, software, or service activation. For more information learn more at www.intel.com/performance-wireless. No product or component can be absolutely secure.

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