Meet the newest member of the family

12th Gen Intel® Core™ processors for IoT edge
More choices, new possibilities

Desktop
state-of-the-art performance
- New SoC
- Multichip package (MCP)
- Up to 8 cores, 16 threads
- Up to 4 Thunderbolt™ 4 lanes
- Multichip package (MCP)

New SoC
- up to 32MB L3 cache
- Desktop

Mobile
state-of-the-art performance
- New SoC
- Multichip package (MCP)
- Up to 8 cores, 16 threads
- Up to 4 Thunderbolt™ 4 lanes
- Multichip package (MCP)

Integrated graphics and mobile power consumption in a compact design

Power efficiency meets higher bandwidth
- Up to -x PCIe 4.0
- Up to 1080p streams
- Up to 4K displays
- Decode up to four 4K streams

Optimized for IoT applications
- Fully supported by Intel® OpenVINO™

Ready for deep learning AI
- Intel® Deep Learning Boost

Desktop processors

Major gains over 10th Gen Intel® Core™

1.32x
- Faster single-thread performance

4x
- More efficient graphics

1.27x
- Faster multithread performance

6.6x
- Faster single-thread performance

Deliver more capabilities on a leaner power budget

Learn more about 12th Gen Intel® Core™ processors for IoT edge

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