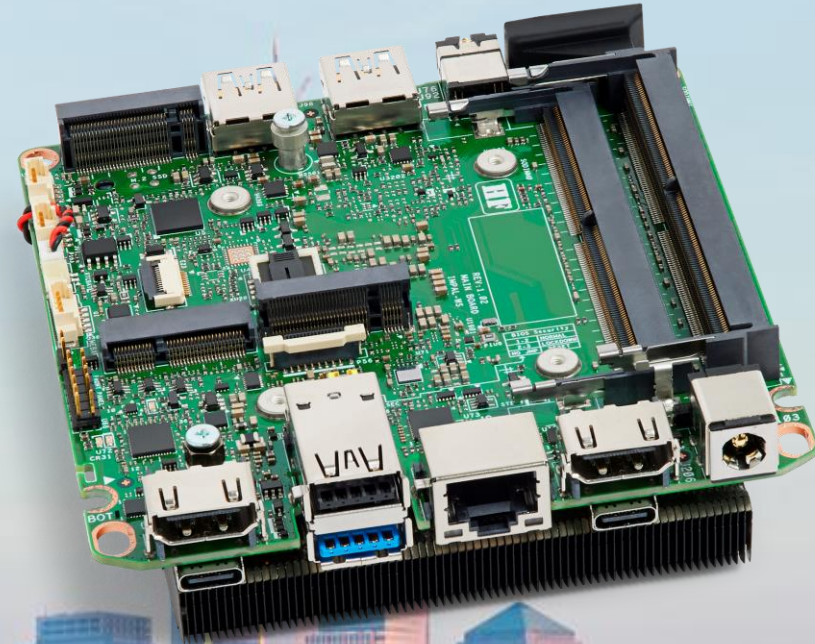


Wall Street Canyon

Intel® NUC 12 Pro – NUC12WSBi7/v7



Simply NUC

Wall Street Canyon i7 Board

NUC 12 Pro NUC12WSBi7/v7

Intel® Partner Alliance
Titanium Partner

A New Generation in Business Computing

As modern-day businesses grow and expand, their IT infrastructure must evolve with them and the all-new 12th Gen Intel® Core™ i7 processor is here to keep you at the forefront of technology.

Whether operating computationally complex serial operations for machine learning or executing multiple threads simultaneously, the all-new hybrid core architecture dynamically adjusts utilization of its 12 cores to optimize performance to keep you ahead in the market. With support for up to 64GB of DDR4 memory, up to 8TB of storage, options for port expansion, and vPro on select SKUs, Wall Street gives you the configuration options you need to bring your IT deployments to the next level.

Intrinsic Diversity, Consistent Return

Wall Street boards offer a wide variety of use cases due to its small 4 by 4-inch size, these boards can be embedded into kiosks, digital signage displays or industrial applications all while taking up minimal space and power. Wall Street natively

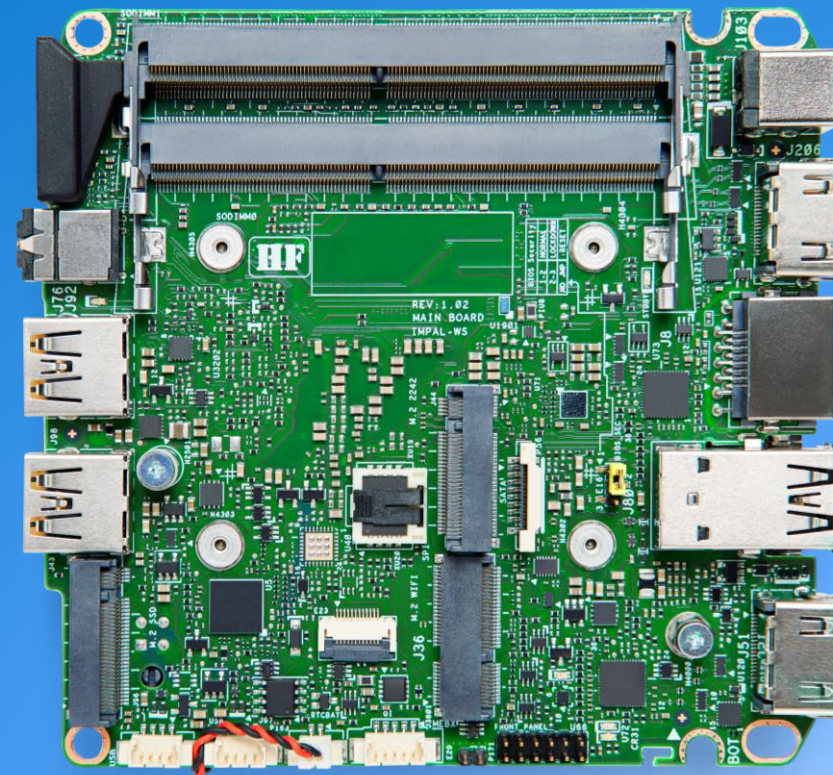
provides dual Thunderbolt 4 ports and four USB type-A ports to connect the peripherals you need, from printers to headsets or webcams. The intrinsic diversity of Wall Street lets you customize your application while promising consistent performance return.

Invest in Wall Street and Elevate your Embedded Development

Streamline your embedded systems by integrating a serial port expansion panel to effortlessly operate within your industrial application and enjoy zero downtime with 24/7 and fault-tolerant operation with DC transient voltage suppression. Expand your networking capabilities with headless display and the 2.5Gb LAN port to give your edge devices or embedded solutions network redundancy and security. Dual HDMI with persistent display functionality and dual Thunderbolt 4 ports can power four 4K displays simultaneously giving you superior video quality and flexibility to create immersive digital signage. Make the smart investment in Wall Street and elevate your designs today.

Features

- 12th Gen Intel® Core™ i7-1260P
 - (i7-1270P vPro Version)
- Intel® Iris® Xe Graphics
- TPM 2.0 (vPro Version Only)
- 2x DDR4-3200 SO-DIMM Sockets
- 1x M.2 22x80 M-key supporting PCIe x4 Gen 4 NVMe or SATA SSDs
- 2x HDMI 2.1
- 2x Thunderbolt 4 (Alt-DP)
- 1x Intel® 2.5Gb LAN
- Intel® Wi-Fi 6E AX211 + Bluetooth 5.2 (Optional)
- 3x USB 3.2 Gen2 Type-A
- 1x USB 2.0 Type-A
- 7.1 multichannel digital audio via HDMI or Thunderbolt
- 3.5mm stereo headset jack
- 24x7 operation
- 19V 120W Power supply (Optional)
- Extended service support (1-, 3-, 5-year)



Customization

- Primary storage up to 8TB Gen4 NVMe or 2TB SATA SSD
- Memory up to 64GB
- OS options: Windows 10/11 Home & Pro, Windows IoT, Ubuntu



THINK BIG, go mini

Technical Specification

Processor	Intel® 12th Gen Core™ i7-1260P 4P+8E/16T P-Cores: up to 4.7GHz - E-Cores: up to 3.4GHz 18MB Intel® Smart Cache 35W TDP Or Intel® 12th Gen Core™ i7-1270P vPro® 4P+8E/16T P-Cores: up to 4.8GHz - E-Cores: up to 3.5GHz 18MB Intel® Smart Cache 35W TDP
Graphics	Intel® Iris® Xe Graphics 4x 4K displays supported via 2x HDMI 2.1 + 2x Thunderbolt 4 Ports 1x 8K display supported
Memory	Dual DDR4-3200 SODIMMs, 1.2V, up to 64GB
Storage	1x M.2 22x80 socket supporting PCIe x4 Gen 4 NVMe from 128GB to 8TB or SATA SSD from 128GB to 2TB
Peripherals	1x 2.5Gb LAN (i225-LM – vPro, i225-V – non-vPro) 2x Front USB 3.2 Gen2 type-A 1x Rear USB 3.2 Gen2 type-A 1x Rear USB 2.0 type-A 2x Rear Thunderbolt 4
Board	104.1x101.6mm Board Only
Expansion	2x USB 2.0 headers
Audio	3.5mm front stereo headset jack 7.1 multichannel digital audio via HDMI & Thunderbolt
Power	12-20V _{DC} variable DC input 120W 19V PSU Recommended

Extra Features Display emulation via HDMI (Virtual display, persistent display, headless display) | Delayed AC start | Auto CMOS reset | DC transient voltage suppression

Certifications and Regulations

Safety Regulations and Standards	IEC/EN/UL 60950-1 IEC/EN/UL 62368-1
EMC/RF Regulations & Standards	FCC Part 15B/15C/15E CISPR/EN 55032/55024 ICES-003 VCCI 32 BSMI CNS 13438 KN 32/35 AS/NZS CISPR 32 EN 300 328 EN 301 893 EN 300 440 EN 301 489-1/3/17 EN 62311 AS/NZS 4268 AS/NZS 2772.2 ARPANSA
Environmental Regulations	EU RoHS China RoHS Taiwan BSMI RoHS REACH
Certified Operating Systems	Windows 10 64-bit (Pro and Home) Windows 11 64-bit (Pro and Home) Windows 10 IoT Linux (Ubuntu)
Environmental Operating Temp etc.	0°C to +40°C