IN SEARCH OF INCREDIBLE

ASUS Ascent QN10

World's First Mini PC with 80 TOPS NPU



The ASUS Ascent QN10 is a powerhouse, ultra-compact solution designed for development of next-gen AI workloads. Powered by the Snapdragon® X2 Elite SoC with 18 cores and integrated Hexagon™ NPU providing up to 80 TOPS, Ascent QN10 enables high-performance, energy-efficient on-device AI inference and experimentation. It supports rich I/O with 7 USB ports, Wi-Fi 7, and Bluetooth® 6.0, and can support up to four simultaneous 4K displays – ideal for multi-model workflows, visualization, and edge deployment. Its sleek 0.7L form factor makes it a powerful yet space-efficient solution for development at home, in the office, or in the lab.

Key Selling Points

- **Ultra Premium Performance:** Unleash next generation AI with Snapdragon X2 Elite SoC, with 18-Cores for fast and power-efficient performance and integrated Adreno™ X2 GPU.
- **Powerful AI Capabilities:** Featuring up to 80 TOPS of AI processing, the Hexagon™ NPU is built to run multiple intelligent experiences concurrently.
- **Ultimate Connectivity:** Connect up to four 4K monitors simultaneously and power all your gadgets with 7 USB ports and 1 HDMI port, plus Wi-Fi 7 and Bluetooth 6.0 for low-latency wireless connections.
- **Next-Gen Speed & Efficiency:** Up to 32GB LPDDR5x 9600 MHz, delivering up to 20% faster performance with 50% less power.
- **Security:** State-of-the-art security from chip to cloud powered by Qualcomm® Secure Processing Unit (SPU) that supports Microsoft® Pluton.
- **Developer Ready:** The ASUS Ascent QN10 gains access to the Qualcomm AI Hub, a faster, smoother machine learning repository for users to download ready-to-use **Models**, deploy **Apps** on QN10, and fine tune on **Workbench**.

Target Audience:

- Small and Medium Business (SMB)
- Enterprises
- Retail & Point-of-Sale
- Education & Research
- Smart Factories & Manufacturing
- AI / IoT Developers & Integrators
- Tech Enthusiasts / Prosumers

Target Usages:

- Office Productivity
- Edge AI / IoT
- Digital Signage / Kiosks
- Agentic AI
- Industrial Automation
- Machine Vision
- Business Analytics

Specifications, content, and product availability are all subject to change without notice and may differ from country to country. Actual performance may vary depending on the application, usage, environment, and other factors. Full specifications are available at http://www.asus.com

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ASUS Ascent QN10



Mini-PC Specifications

Marketing Name	ASUS Ascent QN10
Project Code	**QN10**
ASUS Logo	Yes
Color	Silver
OS Support	Windows® 11 64Bit Windows 11 Pro 64Bit
Processor	Snapdragon X2 Elite Platform X2E-88-100 3rd Gen Qualcomm Oryon CPU (18-Cores)
Chipset	Integrated
Graphics	Qualcomm Adreno X2-90
NPU	Qualcomm Hexagon 80 TOPS
Memory	1 x LPDDR5x-8533/9600 MHz memory (16G/32G), up to 32G*1
Storage	512GB, 1TB, 2TB max supported (4TB total) 1 x M.2 2280 PCIe Gen5 NVMe™ SSD + 1 x M.2 2280 PCIe Gen4 NVMe™ SSD
Wireless Network	Foxconn NCM820A Wi-Fi 7 + Bluetooth 6.0
LAN	Realtek 2.5G LAN, 10/100/1000/2500 Mbps
Audio	Qualcomm WCD9378C
TPM	fTPM 2.0
Card Reader	None
Front I/O Ports	1 x Power button 2 x USB4 Type-C (DP1.4/PD, 5V/3A, 40Gbps) 1 x USB 3.2 Type-A (10Gbps) 1 x USB 2.0 Type-A (5Gbps) 1 x Audio Jack (Line out/Mic in/Headphone out/Headset)
Back I/O Ports	1 x USB4 Type-C (DP1.4/PD, 5V/3A, 40Gbps) 2 x USB 3.2 Type-A (10Gbps) 1 x HDMI 2.1 FRL[1] 1 x 2.5G RJ45 LAN 1 x DC-IN
Power Supply	180W Power Adapter
Operating Temp	0° to 40°C
Storage Temp	-40° to 60°C
Dimensions (W x D x H)	130 x 130 x 40mm
Weight	720g
What's in the Box	Ascent QN10 AC Adapter + Power Cord[2] Safety/Caution/Regulatory Insert Warranty Card

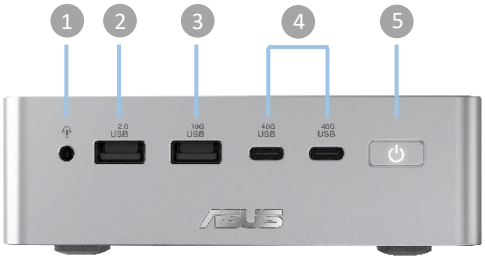
(1) Supports HDMI CEC & HDCP 2.2 ; Supports 4K@60Hz as specified in HDMI 2.1
(2) Power cord included is region specific, and some SKUs do not include the power cord

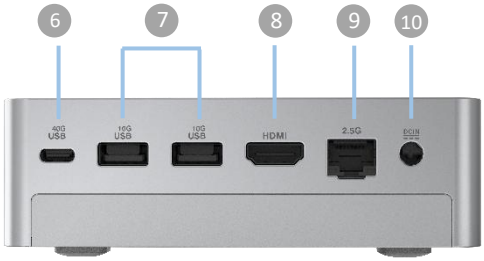
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ASUS General

ASUS Ascent QN10

Model QN10 Connections





1	1 x Audio Jack	6	1 x USB4 Type-C (DP1.4/PD, 5V/3A, 40Gbps)
2	1 x USB 2.0 Type-A (5Gbps)	7	2 x USB 3.2 Type-A (10Gbps)
3	1 x USB 3.2 Type-A (10Gbps)	8	1 x HDMI 2.1 FRL
4	2 x USB4 Type-C (DP1.4/PD, 5V/3A, 40Gbps)	9	1 x 2.5G RJ45 LAN
5	1 x Power Button	10	1 x DC-IN

What's in the box

QN10



Power Adapter and Power Cord*



Regulatory Flyer



Safety/Caution Flyer



QN10 Warranty Card



NOTE:
- The most up-to-date and accurate product specifications are available on www.asus.com for download.
- Product and accessory images are for illustrative purposes only. The actual appearance and specifications may vary depending on the model.
- *The bundled power adapter may vary depending on the model and the country (or region) of sale.
- Some bundled accessories may vary depending on the model. For details on these accessories, refer to their respective user manuals.
- If the device or its components fail or malfunction during normal and proper use within the warranty period, bring the warranty card to the ASUS Service Center for replacement of the defective components.

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