

Vynamic® Smart Vision | N1111



Store Processing Unit (SPU)

Experience next-level intelligent infrastructure with Edge AI. Seamlessly integrated into retail and automation environments, Edge AI transforms operations for greater efficiency and delivers smarter customer experiences—right where it matters most.

Unlock Real-Time Intelligence. DN's N1111 delivers dedicated server-level performance, enabling ultra-fast, low-latency AI use cases directly at your self-checkout or POS systems. Gain instant insights, maintain data privacy, and achieve exceptional performance. Connect up to 12 self-checkout or POS systems to bring advanced AI capabilities without disruption to your existing retail infrastructure.



More
Modular

Engineered for versatility, this modular AI compute unit boosts neural performance and supports a wide range of AI use cases without compromising design, scalability, or ease of integration.



More
Available

Reliability is built in. Backed by DN AllConnect ServicesSM for Retail, the N1111 offers proactive monitoring, remote issue resolution, and consistent uptime, ensuring smooth operations and superior customer experiences.



More
Open

Integrated with DN's advanced software stack, the N1111 features an open architecture for effortless software integration and control, delivering flexibility and accessibility across retail environments.



More
Innovative

Future-ready and powerful, the N1111 compute unit provides the processing strength needed for even the most demanding applications. Built to evolve with your business, it ensures a seamless, enjoyable retail experience for years to come.



Technical Specifications

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Flexible Integration

- A powerful AI computing device (Store Processing Unit)
- Enables AI capabilities for up to 12 self-checkout or POS systems
- For a larger number of target systems, simply add more N1111 units: e.g., 2 × N1111 for up to 24 systems, 3 × N1111 for up to 36, and so on

Mounting and Placement

- Seamless Integration in Backoffice Environments
- Mounting/Placement Options: Rack-mountable (4U) with included brackets or upright horizontal Desktop operation

Integrated AI Compute Unit

- Powered by NVIDIA technology
- GeForce RTX 5070 OC, 12 GB GDDR7, 6114 CUDA Cores
- 988 TOPS AI performance

Connectivity

- Gigabit Ethernet: Ensures high-speed connectivity with the store LAN
- Power Supply: 1070 W (Peak)

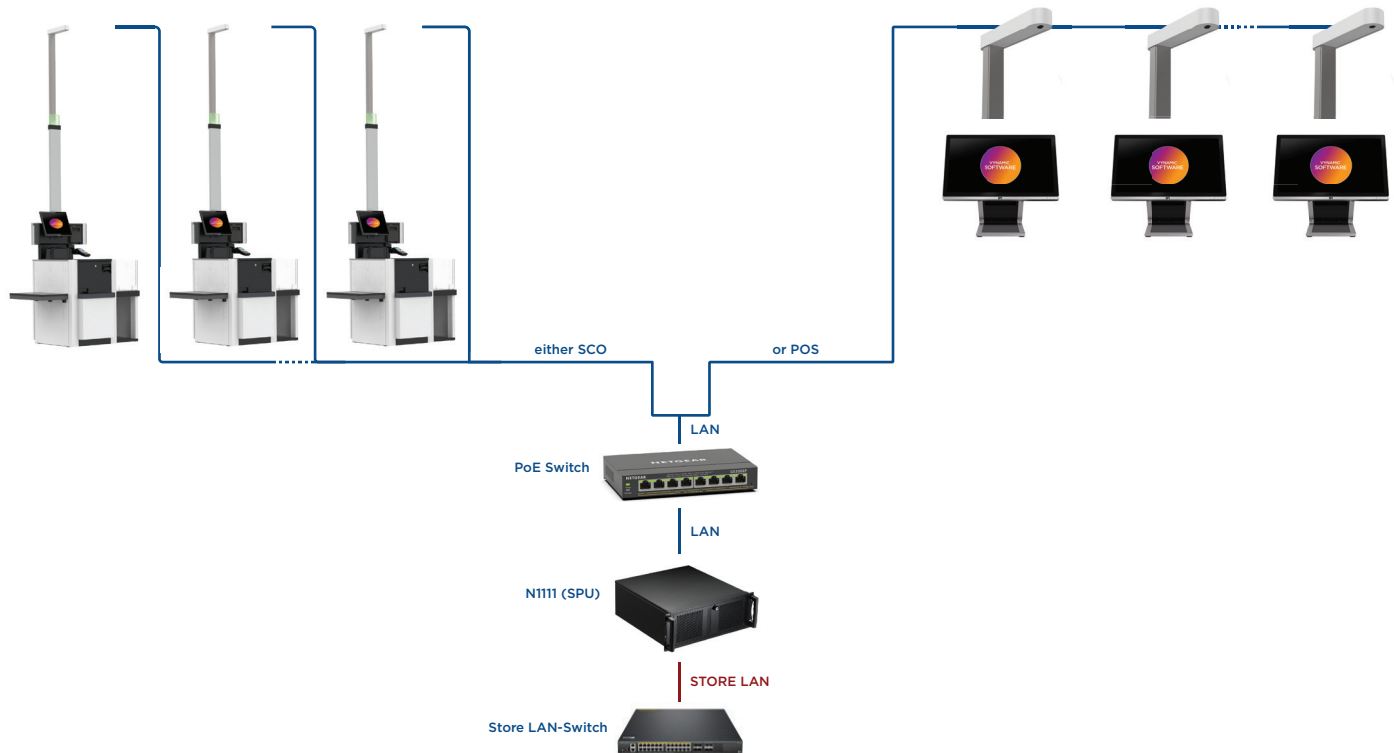
Durability

- Housing: Rugged industrial grade enclosure for long-lasting protection
- Passive and active Cooling
- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- Certifications: CE, FCC, RoHS, EN 301 549, Section 508 compliant, UKCA, WEEE, NRTL



Dimensions (HxWxD)
172 mm x 432 mm x 450 mm
(6.77 in x 17.01 in x 17.72 in)
Weight: Approx. 23 kg / 51 lbs

Up to 12 self-checkout / POS systems are served by one N1111



Learn more at [DieboldNixdorf.com/DNSeriesEASY](https://www.DieboldNixdorf.com/DNSeriesEASY).