

Emerald

11th Gen Simply NUC Consumer NUC – NUC11EMI5



Simply NUC

Emerald i5

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Disruptive Performance

The Tiger Lake 11th Gen Intel® Core™ i5-1135G7 processor with Intel® Iris™ Xe graphics makes Emerald the perfect NUC for a wide array of applications from home office to digital signage. Intel Hyper-Threading Technology enables you to do more faster by executing tasks in parallel on a single core. Increase your performance further with the two SO-DIMM sockets that can increase the DDR4-3200 memory up to 64GB. Two M.2 sockets provide an M-Key and B-Key that provide flexibility to implement NVMe PCIe, SATA 6GT/s, or both for extended storage capability to create robust Emerald network clusters. Connect to your network using Wi-Fi 6 AX201 or a 2.5Gbps LAN connection providing accelerated data streaming for connecting to remote networks that are protected with Intel-embedded security features.

Immersive Visual Experience Anywhere

With three HDMI ports and Intel® Iris™ Xe graphics, you can power

multiple 4K displays for visually stimulating content creation. Editing photos has never been easier with the TF SD Card slot reader that allows downloading new content directly from the camera SD card memory. Display the content you created anywhere by implementing Emerald in a digital signage solution and have confidence in remotely deployed units with Intel OS Guard to protect the unit against malicious attacks.

High-speed Communications

Whether connecting a single device or connecting a cluster of Emerald units to create a network with built-in redundancy, Emerald will get your data there faster. The Wi-Fi 6 AX201 enables data rates as high as 2.4Gbps, nearly matching the performance offered by traditional wired connections. The dual ethernet ports supply the infrastructure to create network clusters for redundancy enabling secure and robust local networks that can deliver data at 2.5Gbps. Emerald allows you to connect on your terms.

Features

- 11th Gen Intel® Core™ i5-1135G7
- Intel® Iris™ Xe Graphics
- Dual DDR4-3200 SO-DIMM sockets
- 1x M.2 22x80 M-Key x4 PCIe Supporting up to Gen4 NVMe Drives (NVMe/SATA)
- 1x M.2 22x42 B-Key x4 PCIe Supporting SATA SSDs
- Consumer IR for remote control
- 1x TF SD Card Slot
- Intel Wi-Fi 6 AX201 802.11Ax
- Bluetooth 5.1
- 3x HDMI 2.0
- 1x 2.5Gb LAN
- 1x 1Gb LAN
- Optional LTE add-on
- 1x USB 4.0 Type-C (Alt-DP)
- 2x USB 3.2 Type-A
- 2x USB 2.0 Type-A
- 1x Audio Headset Jack
- VESA Mount Included
- Kensington Lock Supported
- Service Support (3-year)



Customization

- Memory up to 64GB
- Primary storage up to 4TB NVMe Gen4, 8TB NVMe Gen3 or 2TB SATA
- Secondary storage up to 2TB SATA
- Optional LTE Kit
- OS options: Windows 10/11 (Home & Pro), Windows IoT, Ubuntu

Intel® Partner Alliance
Titanium Partner



Technical Specification

Processor	11th Gen Intel® Core™ i5-1135G7 4C/8T 2.4GHz – 4.2 GHz Turbo 8MB Intel® Smart Cache 28W TDP
Graphics	Intel® Iris® Xe Graphics up to 1.3GHz 4x 4K displays supported via 3x HDMI 2.0 + 1x USB-C (Alt-DP)
Memory	Dual DDR4-3200 SODIMMs, 1.2V, up to 64GB
Storage	1x M.2 22x80 socket supporting x4 PCIe Gen 4 from 128GB to 4TB, Gen 3 from 128GB to 8TB or SATA SSD from 128GB to 2TB 1x M.2 22x42 socket supporting SATA SSD from 128GB to 2TB
Peripherals	Intel® Wi-Fi 6 AX201 (802.11ax) Bluetooth 5.1 1x 2.5Gb LAN 1x 1Gb LAN 2x USB 3.2 type-A 2x USB 2.0 type-A 1x USB 4.0 type-C Optional Sierra wireless EM7411 kit
Chassis	168x115x37.4 mm Kensington lock support VESA mount kit included
Audio	3.5mm front stereo headset jack
Power	12-19V _{DC} variable DC input 19V 3A PSU supplied

Certifications and Regulations

Safety Regulations and Standards	IEC 62368-1 EN 62368-1 CAN/CSA 62368-1 IEC 62321:2020
EMC/RF Regulations & Standards	FCC CFR Title 47, Chapter I, Part15, Subpart B EN 55032 EN 55035 EN 61000-3 EN 62311 ETSI EN 300 328 ETSI EN 301 489-1 ETSI EN 301 489-3 ETSI EN 301 489-17 ETSI EN 301 893 ETSI EN 300 440
Environmental Regulations	RoHS Compliant REACH Compliant
Certified Operating Systems	Windows 11 64-bit (Pro and Home) Windows 10 64-bit (Pro and Home) Windows 10 IoT Linux (Ubuntu)
Environmental Operating Temp etc.	0°C to +40°C