

Nfina 100 Series NUCs



112-i9 FEATURES:

- Windows® 11, 10, Linux® OS, and more supported
- Intel® Core™ i9 processor
- Up to 3 internal drives
- Up to 64GB DDR4 RAM
- 2x Thunderbolt™ 4 ports
- 12x USB ports
- 1x HDMI® 2.0b, 2x Thunderbolt 4 display ports
- Networking
 - 1x 10Gb Ethernet port (10/100/1000/2500/5000/10000 Mb/s)
 - 1x 2.5Gb Ethernet port (10/100/1000/2500 Mb/s)
 - Intel® WiFi 6 AX211
 - Bluetooth® 5.2

111-i5/i7 FEATURES:

- Windows® 11, 10, Linux® OS, and more supported
- Choice of i5 or i7 processor
- Up to 3 internal drives
- Up to 64GB DDR4 RAM
- 1x Thunderbolt™ 4 port
- 1x Thunderbolt™ 3 port
- 4x USB ports
- 2x HDMI® 2.0b display ports
- Networking
 - 1x 2.5Gb Ethernet port (10/100/1000/2500 Mb/s)
 - Intel® WiFi 6 AX201
 - Bluetooth® 5

The Nfina 100 series PC. Small in size, big in capability - by any measure.

Nfina's 112-i9 is equipped with the 12th generation Intel® Core™ i9-12900 processor. The 112-i9 is a small form factor (SFF) high performance compute intensive graphics workstation ideal for a variety of applications, including Productivity, Edge Computing, Digital Signage, Thin Client, Home Entertainment, Home Storage, Surveillance, Gaming, and other commercial uses.

The Nfina 111-i5/i7 are equipped with the 11th generation Intel® Core™ processors. The 111 family of fully functioning, energy-efficient computers in an extremely compact form factor. The Nfina 111 Series also supports standard VESA mounting enabling it to easily be mounted on the back of a standard monitor.

Our products and components are manufactured to the highest quality standards in the industry for use in the most demanding 24/7 data center applications.

Nfina products deliver exceptional functionality by creating products that are easily customized to fit specific applications. Designed and built for virtualized computing environments, our products provide high-density, maximum yield solutions for our customers. Multiple options for high performance computing, including I/O, RAID, storage, and memory options make our products a custom fit for many applications.

All Nfina Technologies' servers are backed by a five-year limited warranty and include 24x7 tech support with remote diagnostics. Next day and four hour onsite response options are available.

HYBRID CLOUD SOLUTIONS
CYBER SECURE SERVERS
BACKUP & RAPID DR
DATA STORAGE

nfina
HYBRID ■ CLOUD SOLUTIONS

NFINA 100 Series PC

	111-i5	111-i7	112-i9
Dimensions	2.1" x 4.6" x 4.4" (HxLxW) 54mm x 117mm x 112mm	2.1" x 4.6" x 4.4" (HxLxW) 54mm x 117mm x 112mm	7.4" x 14.1" x 4.7" (HxLxW) 189mm x 357mm x 120mm
Processor	Intel® Core™ i5 -1135G7 2.4GHz - 4.2GHz, 4 Cores, 8MB L3 Cache, 28W TDP	Intel® Core™ i7 -1165G7, 2.8GHz - 4.7GHz, 4 Cores, 12MB L3 Cache, 28W TDP	Intel® Core™ i9 -12900 2.4GHz - 5.1GHz, 16 Cores, 14MB L2 Cache, 65W TDP
Memory	64GB max 2 x DDR4 SO-DIMM sockets, 3200MHz, 1.2V	64GB max 2 x DDR4 SO-DIMM sockets,3200MHz, 1.2V	64GB max 2 x DDR4 SO-DIMM sockets, 3200MHz, 1.2V
Internal Drives	3 Supported	3 Supported	3 Supported
M.2 Card Slot Storage	1x M.2 Gen 4 NVMe SSD 22x80 (key M) 1x M.2 SATA SSD 22x42 (key B)	1x M.2 Gen 4 NVMe SSD 22x80 (key M) 1x M.2 SATA SSD 22x42 (key B)	2x via PCH + 1x via CPU (NVMe)
PCI Express Config	PCIe x4 Gen 4: M.2 22x80 (key M) PCIe x1 Gen 3: M.2 22x42 (key B) PCIe x1: M.2 22x30 (key E)	PCIe x4 Gen 4: M.2 22x80 (key M) PCIe x1 Gen 3: M.2 22x42 (key B) PCIe x1: M.2 22x30 (key E)	2x M.2 PCIe X4 Gen4 slots (PCH), 1x M.2 PCIe X4 Gen4 slots (CPU); Double-wide PCIe X16 Gen5 (CPU) slot, 12" max card length
USB Ports	Front: 2x USB 3.2 Rear: 2x USB 4 (type C), 1x USB 3.2, 1x USB 2.0	Front: 2x USB 3.2 Rear: 2x USB 4 (type C), 1x USB 3.2, 1x USB 2.0	Front: USB 3.2 Type-A and Type-C; Internal Header: 2x USB 2.0 Rear: 6x USB 3.2, 2x TB4 (USB 3.2)
Ethernet	1x Intel® i225-LM Gigabit Ethernet Controller RJ-45 (10/100/1000/2500 Mb/s)	1x Intel® i225-LM Gigabit Ethernet Controller RJ-45 (10/100/1000/2500 Mb/s)	1x Marvell® AQtion™ AQC113 RJ-45 (10/100/1000/2500/5000/10000 Mb/s) 1x Intel® i225-LM Gigabit Ethernet Controller RJ-45 (10/100/1000/2500 Mb/s)
Thunderbolt	1x Thunderbolt™ 4 (back) 1x Thunderbolt™ 3 (back) (incl. DP 1.4a and USB 4.0)	1x Thunderbolt™ 4 (back) 1x Thunderbolt™ 3 (back) (incl. DP 1.4a and USB 4.0)	2x Thunderbolt™ 4 (back)
Bluetooth®	Dual Mode Bluetooth® 5	Dual Mode Bluetooth® 5	Dual Mode Bluetooth® 5.2
Integrated Wireless	Intel® Wi-Fi 6 AX201	Intel® Wi-Fi 6 AX201	Intel® Wi-Fi 6E AX211
Integrated Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics
Video Output	2x HDMI® 2.0b, w/HDMI CEC, Dual DP 1.4a via Type C	2x HDMI® 2.0b, w/HDMI CEC, Dual DP 1.4a via Type C	1x HDMI 2.0b 2x Thunderbolt 4
# Displays	4 Supported	4 Supported	3 Supported
Audio	Up to 7.1 multichannel digital audio on HDMI® and DP type C ports	Up to 7.1 multichannel digital audio on HDMI® and DP type C ports	Up to 7.1 multichannel digital audio on HDMI® and DP type C ports
OS Supported	Microsoft® Windows 10 64-bit (Home/Pro), Linux	Microsoft® Windows 10 64-bit (Home/Pro), Linux	Microsoft® Windows 11/10 64-bit (Home/Pro/Enterprise), Microsoft® Windows Server® 2019, Ubuntu Linux
Power Supply	19V 90W	19V 90W	120V 650W
Warranty	5 years	5 years	5 years

© 2022 Nfina Technologies, Inc. All rights reserved. Intel®, and XEON® are registered trademarks of Intel Corporation. Other trademarks and trade names that may be used in this document are owned by their respective companies.

Nfina believes the information in this document is accurate as of its publication date. The information is subject to change without notice. The contents of this document are provided as-is, without any express or implied warranties of any kind.

Rev. 0922



Address: 820 S. University Blvd. Suite 4E, Mobile, AL 36609

Email: sales@nfina.com

Telephone: 251.243.0043

Website: www.nfina.com