Neu-X300-F65

Main Features

- Intel® 8/9th Gen Core™ socket type processor
- 3 x HDMI 2.0 resolution 4K @ 60Hz
- Storage M.2 2280 Key M
- Support iAMT technology

- Dual DDR4 SO-DIMM up to 32G
- TPM 2.0 IC onboard
- Fan box design

Product Overview

Powered by the Intel® 8/9th Gen Core™ processor, the Neu-X300-F65 series fan box embedded player can handle powerful multimedia content and offer stunning visuals for striking 4K entertaining content creation, media playback, and image processing. The Neu-X300-F65 series manages in-store traffic analytics, simultaneously engaging "calls to action" with virtual interactions in order to increase product interest.

Neu-X300-F65 series, supporting up to triple HDMI 2.0 displays, USB 3.0 ports, and a RS232 interface, is an ideal high-end embedded player to optimize information visualization, convey brand messages, customer engagement, and smart retail management efficiencies to increase in-store traffic and sales. The slim fan box design focus on supporting 65 CPU, offering better CPU options for indoor usage without having a hot chassis.

Specifications

CPU Support
- Socket LGA1151, Intel® 8/9th Gen Core™ i9/i7/i5/i3 processor, 14nm process

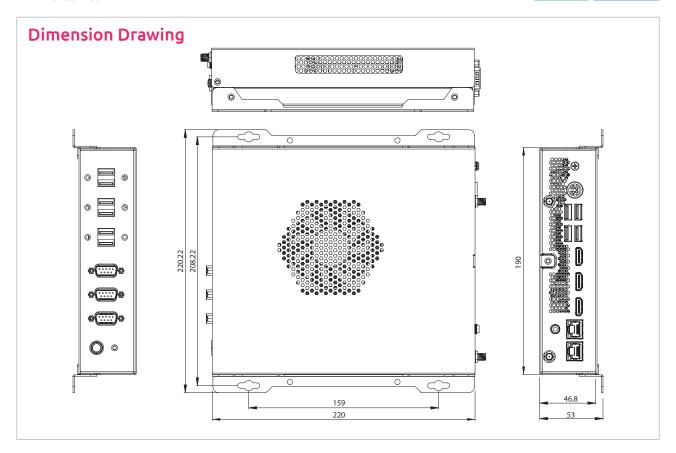| Generation	Socket Type	CPU	Smart Cache	Cores	Threads	Base Frequency	TDP
8th Coffee Lake	FCLGA1151	i3-8300	8M	4	4	3.7GHz	65W
8th Coffee Lake	FCLGA1151	i5-8500	9M	6	6	3.0GHz	65W
8th Coffee Lake	FCLGA1151	i7-8700	12M	6	12	3.2GHz	65W
8th Coffee Lake	FCLGA1151	i3-8100T	6M	4	4	3.1GHz	35W
8th Coffee Lake	FCLGA1151	i5-8500T	9M	6	6	2.1GHz	35W
8th Coffee Lake	FCLGA1151	i7-8700T	12M	6	12	2.4GHz	35W
9th Coffee Lake Refresh	FCLGA1151	i3-9100TE	6M	4	4	2.2GHz	35W
9th Coffee Lake Refresh	FCLGA1151	i5-9500TE	9M	6	6	2.2GHz	35W
9th Coffee Lake Refresh	FCLGA1151	i7-9700TE	12M	8	8	1.8GHz	35W
9th Coffee Lake Refresh	FCLGA1151	i9-9900T	16M	8	16	2.1GHz	35W

Chipset
- Intel® PCH Q370

Graphics
- Intel® UHD Graphics 630

Main Memory
- 2 x 260-pin SO-DIMM socket, support up to DDR4 2400/2666MHz, non ECC, un-buffered memory up to 32G (single 16G)

Dimension Drawing

I/O Interface-Front
- 1 x Storage active LED
- 1 x Power LED
- 1 x Power button
- 1 x COM port (support RS232/422/485)
- 2 x COM port (RS232)
- 6 x USB 2.0

I/O Interface-Rear
- 2 x Antenna hole
- 4 x USB 3.0
- 3 x HDMI 2.0, resolution up to 4096 x 2160 @ 60Hz
- 2 x RJ45 with LEDs for Gigabit LAN
- 1 x 12V DC input, 4-pin DC Jack
- 1 x Line-out

Internal I/O
- 4 x USB 2.0 pin header
- 1 x PCIe x16 slot
- 1 x SATA connector
- 8 Channel GPIO via pin header

Expansion
- 1 x M.2 2230 Key E connector, support Wi-Fi module

Storage
- 1 x M.2 2280 Key M storage device with SATA/PCIe x4 signal
- 1 x Onboard TPM 2.0

Power Supply
- 1 x External 120W AC/DC power adapter with lock
- Input: 100VAC to 240VAC
- Output: DC+12VDC

Environment
- Operating temperature: -5°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 95% (non-condensing)
- Shock protection: 50G peak acceleration, 11ms according to IEC60068-2-27
- Vibration protection
  - Random: 2Grms@5~500 Hz, IEC60068-2-64
  - Sinusoidal: 2G@5~500 Hz, IEC60068-2-6

Certification
- CE (EMC EN55032 +EN55035)
- FCC Class A (EMI part 15B)

Dimensions
- 190mm (L) x 220mm (W) x 46.8mm (H)

Operating System
- Win10 64-bit/Linux

Ordering Information

- **Neu-X300-Q370-F65 (P/N: 10W10X30004X4)**
  Intel® 8th Gen Core™ processor slim and fanless system with PCH Q370