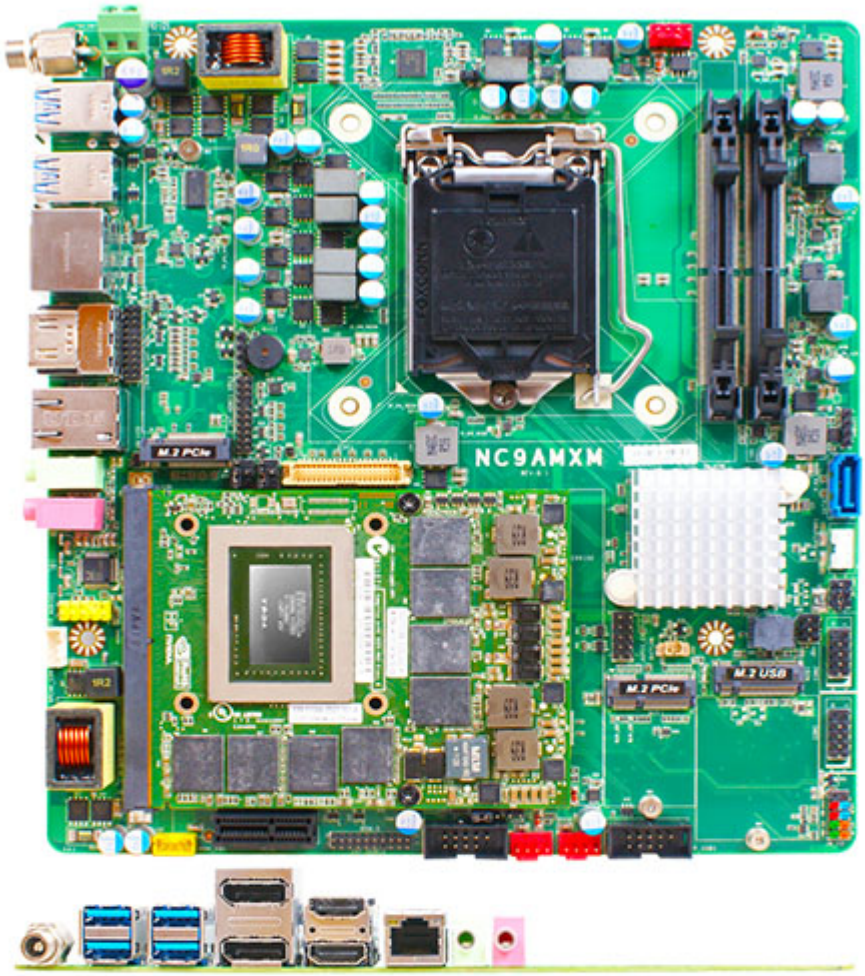

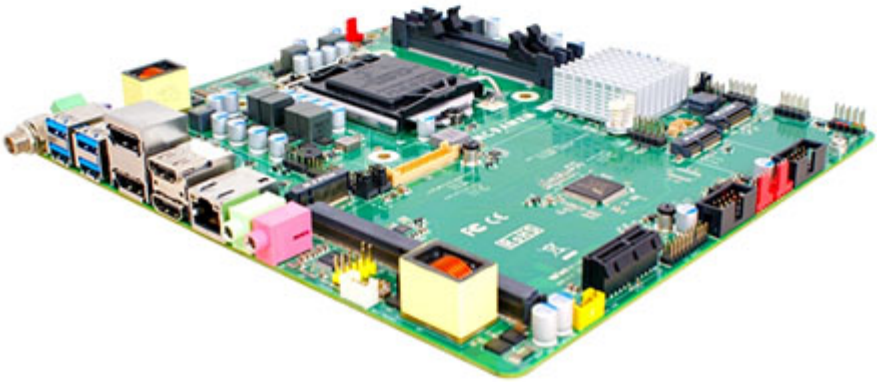

279.00 EUR
incl. 19% VAT, plus shipping

- Intel 8th/9th Gen. !
- H310 Chipset !
- SBC !

- Intel® LGA1151 Socket Core I3,I5,I7 Pentium Processor
- Intel® Coffee Lake-S H310 Chip
- Support Dual Channel DDR4 2133MHz SO-DIMM up to 32GB
- Support 1* MXM VGA Card Socket (MXM:90W)
- 1* SATA III (6Gb/s) & M.2 (M key 2280, NVMe), 1* PCI-E x1, 1* M.2 E key Support CNVi, 1* M.2 B key Support 3G/4G Module
- 1* Intel® I219LM GbE, 2* RS232 (COM2 Support 5V/12V TTL), 4* External USB3.1, 4* Internal USB2.0
- 12 ~ 36V DC-in
- Form Factor: 220*200mm

MXM module not included in scope of supply !

Form Factor	
Dimensions	– SBC (220 * 220mm)
Processor System	
CPU	– Intel® LGA1151 Coffee Lake Series Processor (Max 90W)
Core Number	– (by CPU)
Max Speed	– (by CPU)
L2 Cache	– (by CPU)
Chipset	– H310 /Q370
BIOS	– AMI 128M Flash ROM
Expansion Slot	
Expansion	– 1* M.2 M Key (2280, for NVMe) – 1* M.2 E Key (2230, support CNVi) – 1* M.2 B Key (3042, support 3G/4G Module) – 1* SATA – 1* PCIe x1 slot – 1* MXM Card Socket (Max: 90W) – 1* SIM Card holder
Memory	
Technology	– Dual CH DDR4 2400MHz DRAM
Max.	– 32GB
Socket	– 2 * SO-DIMM
Graphics 1	
Controller	– Intel® HD Graphics
VRAM	– Shared Memory
eDP 1.2	– 1 (Max Resolution : 4096×2304@60Hz, by CPU)
DisplayPort	– 1 (Max Resolution : 4096×2304@60Hz, by CPU)
HDMI	– 1 (Max Resolution : 4096×2160@30Hz, by CPU)
Graphics 2	
Controller	– by MXM VGA Cards
DisplayPort	– 1* DP, by MXM VGA Card
HDMI	– 3* HDMI, by MXM VGA Card
Multi Display	– 6
Ethernet	
Ethernet	– 10/100/1000 Mbps
Controller	– Intel® I219LM GbE
Connector	– 1 * RJ 45
Audio	
CODEC	– HD Audio : Realtek ALC662VD
Channel	– Line-Out, MIC
SATA	
Max Data Transfer Rate	– 1* SATAIII (6.0Gb/s)
Rear I/O	

Rear I/O	– 2* HDMI – 2* DP – 1* RJ45 – 4* USB3.1 – Line-Out, MIC – 9~36 V DC-in
Internal Connector	
Internal Connector	– 4* USB 2.0 – 1* eDP – 3* HDMI – 2* COM (COM2 support 5V/12V TTL) – 1* SATAIII (6.0Gb/s) – 3* M.2 (M key, E key, B key) – 1* 8bit GPIO – 1* Chassis intrusion – 1* Audio Header – 1* 3W AMP Speaker – 1* SMBUS/ I2C – 1* AT mode
Watchdog Timer	
Output	– From Super I/O to drag RESETCON#
Interval	– 256 segments (10sec ~ 255min)
Power Requirements	
Input PWR	– 12~36V DC-in
Power On	AT/ATX Supported – AT : Directly PWR on as Power input ready – ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	– CE, FCC, RoHS, REACH
Environment	
Temperature	– Operating: 0°C ~ 60°C
	– Storage: -20°C ~ 85°C