Topton 12th Gen Intel N100

1. Integrated Intel® N100 quad-core processor, compatible with Intel® Alder Lake-N series CPU;
2. Support DDR5 SO-DIMM memory, up to 16GB;
3. Support DP, HDMI dual display output;
4. Support 4x2.5G Ethernet;
5. Support 2*NVMe 2280 SSD and 6*SATA for storage;
6. Support 2*USB3.0 interfaces and 2*USB2.0 interfaces;
7. Support 1 PCIe x1 slot;
8. Support -20~60°C wide temperature working;
9. Support ATX power supply, 24pin+4pin power supply;

https://www.bkipc.com/en/product/1264-NAS-MB.html

1264 NAS MB

Brand BKHD

Model 1264 NAS MB

Chipset BKHD-1264-NAS

Ethernet port 4*Intel i226 2.5G Ethernet

Memory 1*DDR5 SO-DIMM

Storage 1*M.2 SSD/1*NVMe SSD/6*SATA

Expansion slot 1*PCIe x1

Video output 1*DP/1*HD

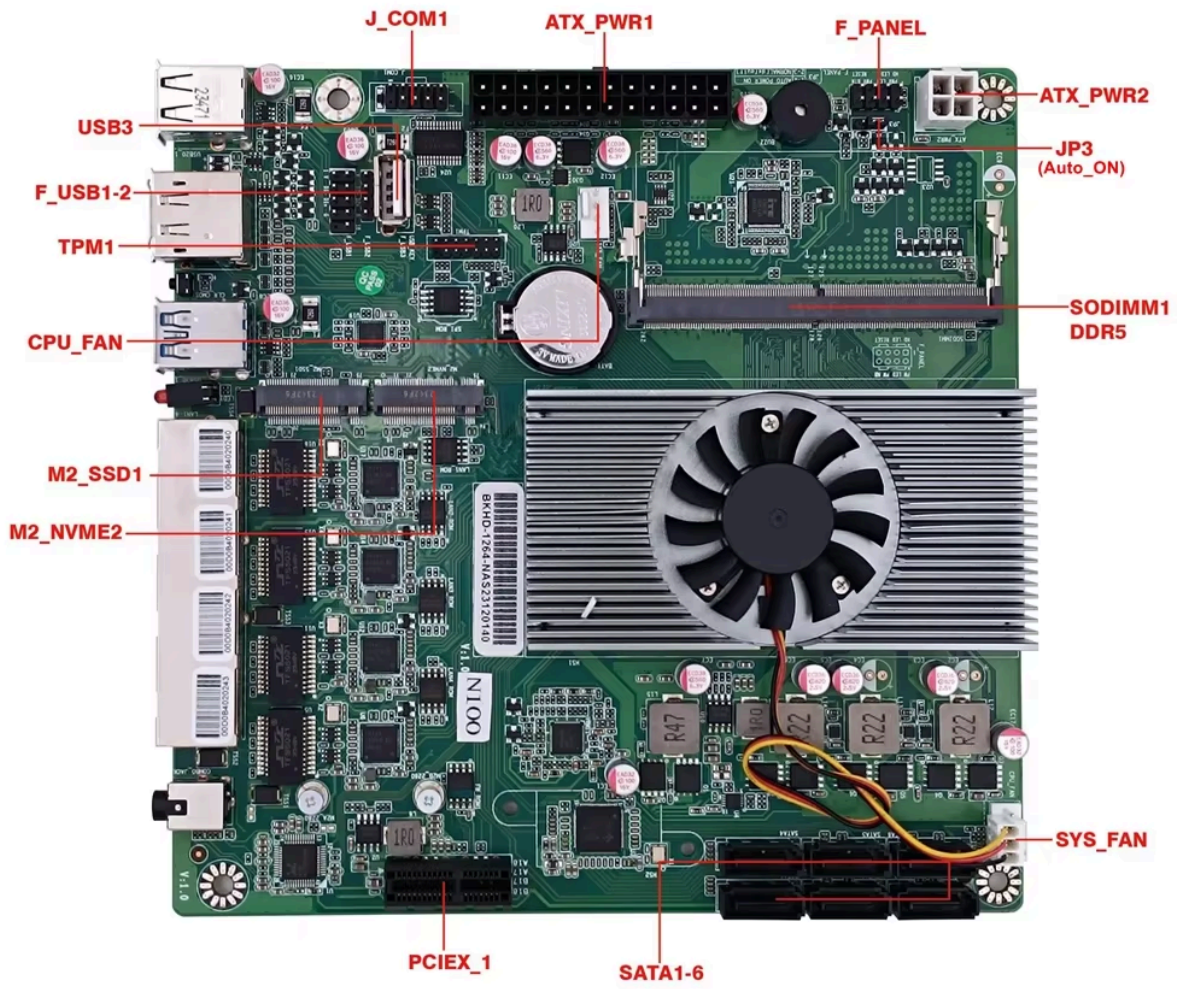Power Adapter ATX 24-Pin+4-Pin

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Intel N100 NAS Motherboard
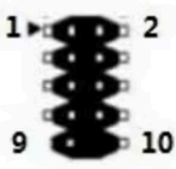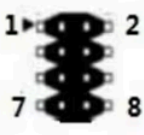## 4*2.5G, 6*SATA, 2*NVMe, 1*PCIE X1, 1*DDR5

J_COM1
ATX_PWR1
F_PANEL
ATX_PWR2
USB3
JP3
(Auto_ON)
F_USB1-2
TPM1
SODIMM1
DDR5
CPU_FAN
M2_SSD1
M2_NVME2
SYS_FAN
PCIEX_1
SATA1-6

170*170

DP1
CLR_CMOS
LED1
COMBO_JACK
USB2.0
HDMI1
USB3.0
LAN1-4

Connector and Jumper Setting
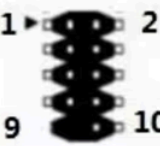
1）COM

PIN	Define	PIN	Define
1	-NDCD	2	SIN
3	SOUT	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	N/A
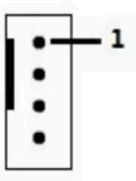
2）F_PANEL（FP_BN）：Front panel connector

STATUS	Setting
1-3	HD_LED
2-4	PW_LED
5-7	Reset
6-8	PW_BN

3）FP_USB2.0 ：Internal USB2.0

PIN	Define	PIN	Define
1	5V	2	5V
3	USB1-	4	USB2-
5	USB1+	6	USB2+
7	GND	8	GND
9	N/A	10	GND

4）CPUFAN/SYSFAN

PIN	Define
1	GND
2	12V
3	Fan speed data
4	5V

4）JP3

STATUS	Setting
1-2	AUTO POWER ON
2-3	NORMAL(default)

5）TPM

PIN	Define	PIN	Define
1	3.3V	2	SPI_IRQ
3	PLTRST	4	SPI_CS
5	NA	6	SPI_WP
7	3.3V	8	GND
9	NA	10	SPI_CLOCK
11	SPI_MISO	12	SPI_MOSI
13	SPI_HOLD	14	

Product Info

Processor	N100 processor (4 Cores 4 Threads)
CPU TDP	6W
Memory	1*DDR5 SO-DIMM 4800Mhz Up to 16GB
Storage	1*NVMe/NGFF 2280 SSD
	1*NVMe 2280 SSD
	6*SATA 3.0
Other Functions	Auto-Start; Scheduled Boot; Wake-on-LAN; PXE Startup Watchdog; TPM2.0; CPU temperature detection
Network Card	4*i226 2.5Gbps Adaptive Ethernet
Power Supply	ATX 24Pin (MB) + 4Pin (CPU)
Video Output	1*DP; 1*HDMI
I/O Interface	2*USB3.0; 2*USB2.0; Built-in 4*USB2.0 (pins)
Expansion slots	1*PCIe x1
Includes Accessories	1*SATA cable; 1*I/O shield
Motherboard size	170x170(mm)
Certification	CE; FCC; ROHS

ABOUT US
WHY CHOOSE TOPTON

TOPTON TECHNOLOGY CO., LIMITED was founded in 2016 and is located in the Dongguan city. We have a plant area of more than 1500 square meters, of which 700 square meters are office space and 800 square meters are manufacturing workshop, With Over 20 SMT machines, 200 staff, 20 sales person team and 5000 pieces monthly production capacity to guarantee high quality and fast delivery. Our main products include Home-Office Mini PC, Industrial-Fanless PC, Powerful-Game PC, Stick&Pocket PC, LAPTOP, All in one, Industrial-Tablet etc. As a professional computer supplier, we have excellent teams who focus on product development & design, quality control & inspection and company running. In order to supply the satisfactory products and services, we have built a modern quality management system which is in strict accordance with international standards. We always adhere to the idea of innovation, integrity, mutual benefits to provide our professional services, quality products and competitive prices to our customers. In this way, we have had a reliable reputation among our customers. We warmly welcome customers from home and abroad to cooperate with us for win-win success.

TOPTON

东莞市拓孚顿电子科技有限公司
TOPTON TECHNOLOGY CO., LIMITED