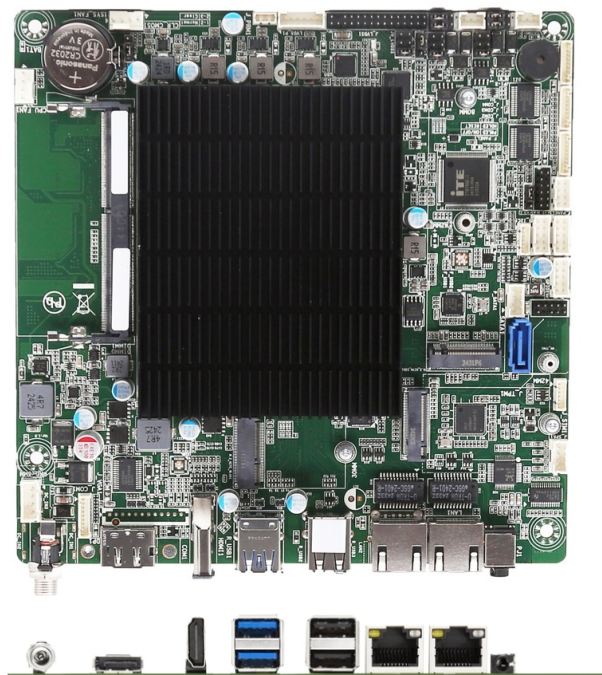


Features

- Intel Alder Lake-N N95/N97/N100/i3-N305 Processor
- 6 x COM, 8 x USB, 2 x Intel Gigabit LAN
- 2 x M.2, 1 x SIM, 1 x M.2 NVMe SSD, 1 x SATA
- Support triple displays for 1 x HDMI, 1 x DP/VGA, 1 x LVDS/eDP
- Support DC 12/24V Power Input



Core System

CPU	Intel N95, 4E-core, up to 3.40 GHz Intel N97, 4E-core, up to 3.60 GHz Intel N100, 4E-core, up to 3.40 GHz Intel i3-N305, 8E-core, up to 3.80 GHz
System Memory	DDR4-3200 MHz, 1 x non-ECC SO-DIMM, up to 16GB
Chipset	SoC integrated
BIOS	AMI
Storage	1 x SATA 3.0 7P Connector (with 1 x SATA power header) 1 x M.2 Key-M Slot (PCIe x2 NVMe / SATA SSD, 2242/2280, default is NVMe)
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x M.2 Key-E Slot (PCIe x1 + USB 2.0, support Wifi + BT, 2230) 1 x M.2 Key-B Slot (USB 3.0 + USB 2.0, support 5G/4G, 3042)
Power Input	DC-in 12/24V
Smart Fan Control	Supported
Dimensions	170 x 170 mm, Mini-ITX
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	5% to 95% relative humidity, non-condensing

Rear I/O

USB	2 x USB 3.0 2 x USB 2.0
Display I/O	1 x HDMI 1 x DP
Audio I/O	1 x Line-out + MIC
LAN I/O	2 x RJ-45, Intel Giga LAN
Serial Port	-
PS/2 Port	-
Others	1 x DC 12/24V Power Input Connector/ Mini-Din 4P Jack (optional)

Internal Connectors

USB	4 x USB 2.0
Display I/O	1 x LVDS/eDP Header (LVDS Default)
Audio I/O	Realtek Audio HDA Codec
Serial Port	4 x RS-232, 2 x RS-232/485
Parallel Port	-
GPIO	1 x GPIO Header (Programmable support 8-bit GPIO) 3.3V or 5V
Others	TPM 2.0 (optional), HW monitor

Graphics

Chipset	For N95, Intel UHD Graphics, up to 16 EUs, 1.20GHz For N97, Intel UHD Graphics, up to 24 EUs, 1.20GHz For N100, Intel UHD Graphics, up to 24 EUs, 750 MHz For i3-N305, Intel UHD Graphics, up to 32 EUs, 1.25 GHz
VGA	-
DVI	-
HDMI	Up to 3840 x 2160 @ 30Hz
Display Port	Up to 4096 x 2160 @ 30Hz
LVDS	Up to 1920 x 1200 @ 60Hz (Default)
eDP (Option)	Up to 4096 x 2160 @ 60Hz

Others

OS Support	Windows 10, Windows 11, Linux
Certifications	CE / FCC Class B

Ordering Information

MF-N95-2L	With Intel N95 processor, 4E-core, up to 3.40GHz
MF-N97-2L	With Intel N97 processor, 4E-core, up to 3.60GHz
MF-N100-2L	With Intel N100 processor, 4E-core, up to 3.40GHz
MF-i3-N305-2L	With Intel i3-N305 processor, 8E-core, up to 3.80GHz