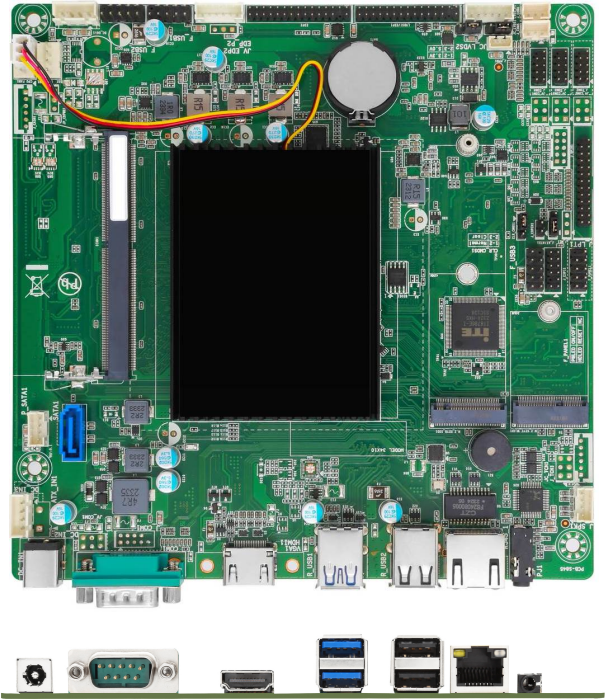


Features

- Intel Alder Lake-N N95/N97/N100 Processor
- 6 x COM, 10 x USB, 1 x Gigabit LAN
- 1 x M.2 PCIe+USB2.0, 1 x M.2 NVMe/SATA SSD, 1 x SATA3.0 7P connector
- Support 1 x HDMI, 1 x LVDS/eDP
- Support DC 12V Power Input



Core System

CPU	Intel N95, 4E-core, up to 3.40 GHz, TDP 15W Intel N97, 4E-core, up to 3.60 GHz, TDP 12W Intel N100, 4E-core, up to 3.40 GHz, TDP 6W
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 wafer) 1 x M.2 Key-M Slot (PCIe x1 NVMe / SATA SSD, 2280, auto detect)
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x M.2 Key-E Slot (PCIe + USB 2.0, Support Wifi + BT, 2230)
Power Input	DC-in 12V
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
Audio I/O	1 x Line-out + MIC
LAN I/O	1 x RJ-45 Giga LAN
Serial Port	1 x RS-232
PS/2 Port	-
Others	1 x DC 12V Power Input Connector

Internal Connectors

USB	6 x USB 2.0
Display I/O	1 x LVDS/eDP Header (LVDS Default)
Audio I/O	Realtek Audio HDA Codec
Serial Port	3 x RS-232, 2 x RS-232/485
Parallel Port	-
GPIO	1 x GPIO Wafer (Programmable support 8-bit GPIO)
Others	1 x Cash Drawer Wafer, 1 x Front Panel Header, 1 x System Fan Wafer, 1 x CPU Fan Wafer, 1 x Case Open Header, 1 x CMOS Clear Jumper, 1 x AT/ATX select Jumper

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
VGA	-
DVI	-
HDMI	Up to 4096 x 2160 @ 30Hz
Display Port	-
LVDS	Up to 1920 x 1080 @ 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	With Intel N95 processor, 4E-core, up to 3.40GHz
MF-N97	With Intel N97 processor, 4E-core, up to 3.60GHz
MF-N100	With Intel N100 processor, 4E-core, up to 3.40GHz