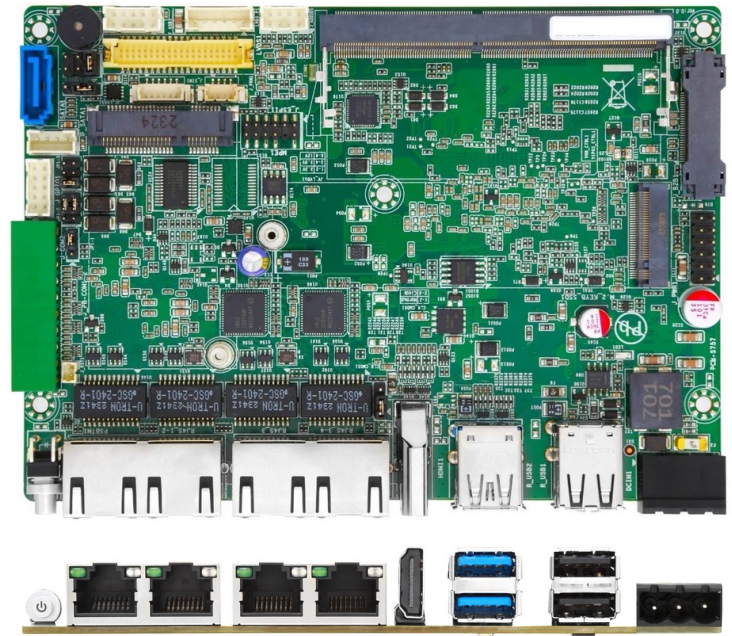
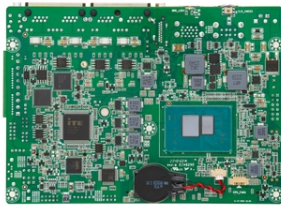


Features

- Intel Alder Lake-N N95/N97/N100/i3-N305 Processor
- CPU on Rear side for heat dissipation
- 2 x COM, 6 x USB, 4 x Gigabit LAN
- 1 x mPCIe, 1 x SIM card wafer, 1 x M.2 NVMe/SATA SSD, 1 x SATA
- Support dual displays for 1 x HDMI, 1 x LVDS/eDP
- Support DC 12/24V Power Input
- Heat spreader for heat dissipation and integration



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, 2280, default is SATA)
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x mPCIe, PCIe + USB 2.0, support WIFI + 4G
Power Input	DC-in 12/24V (BOM select)
Smart Fan Control	Supported
Dimensions	146 x 105 mm, 3.5-inch
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	10% 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	-
LAN I/O	4 x RJ-45, Intel Giga LAN
Serial Port	-
PS/2 Port	-
Others	1 x DC 12/24V Power Input Connector/ 2-pin terminal block (optional)

Internal Connectors

USB	2 x USB 2.0
Display I/O	1 x LVDS/eDP Header (LVDS Default)
Audio I/O	Realtek Audio HDA Codec
Serial Port	2 x RS-232/485
Parallel Port	-
GPIO	1 x GPIO Header (Programmable support 8-bit GPIO)
Others	1 x 8-bit GPIO Wafer, 1 x CPU FAN Wafer, 1 x CMOS Clear 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 For i3-N305, Intel UHD Graphics, up to 32 EUs, 1.25 GHz
VGA	-
DVI	-
HDMI	Up to 4096 x 2160 @ 30Hz
Display Port	-
LVDS	Up to 1920 x 1200 @ 60Hz (Default)
eDP (Option)	Up to 4096 x 2160 @ 30Hz

Others

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

Ordering Information

TH35-N95-4L	With Intel N95 processor, 4E-core, up to 3.40GHz
TH35-N97-4L	With Intel N97 processor, 4E-core, up to 3.60GHz
TH35-N100-4L	With Intel N100 processor, 4E-core, up to 3.40GHz
TH35-i3-N305-4L	With Intel i3-N305 processor, 8E-core, up to 3.80GHz