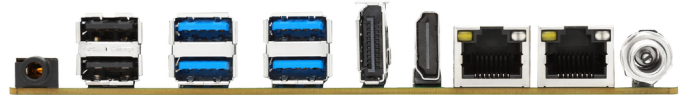
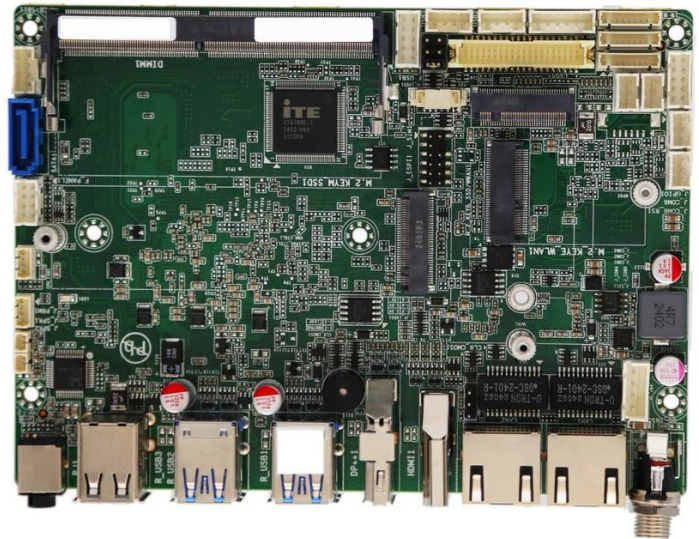
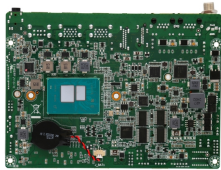


Features

- Intel Alder Lake-N N95/N97/N100/i3-N305 Processor
- CPU on Rear side for heat dissipation
- 6 x COM, 9 x USB, 2 x Gigabit LAN
- 2 x M.2, 1 x SIM card wafer, 1 x M.2 NVMe SSD, 1 x SATA
- Support triple displays for 1 x HDMI, 1 x DP, 1 x LVDS/eDP
- Support DC 12/19/24V Power Input auto detect
- Heat spreader for heat dissipation and integration



Core System

CPU	Intel N95, 4E-core, up to 3.40 GHz, TDP is 15W Intel N97, 4E-core, up to 3.60 GHz, TDP is 12W Intel N100, 4E-core, up to 3.40 GHz, TDP is 6W Intel i3-N305, 8E-core, up to 3.80 GHz, TDP is 15W
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 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) 1 x M.2 Key-B Slot (USB 3.0 + USB 2.0, Support 5G/4G, 2242/3052)
Power Input	DC-in 12/19/24V (auto detect)
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	4 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 12/19/24V Power Input Connector/ 2-pin terminal block

Internal Connectors

USB	3 x USB 2.0
Display I/O	1 x LVDS/eDP Header (LVDS Default)
Audio I/O	Realtek Audio HDA Codec, 1 x Amplifier Wafer
Serial Port	3 x RS-232, 2 x RS-232/TTL, 1 x RS-485
Parallel Port	-
GPIO	1 x GPIO Header (Programmable support 8-bit GPIO)
Others	1 x 8-bit GPIO Wafer, 1 x Front Panel 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	Up to 4096 x 2304 @ 60Hz
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

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