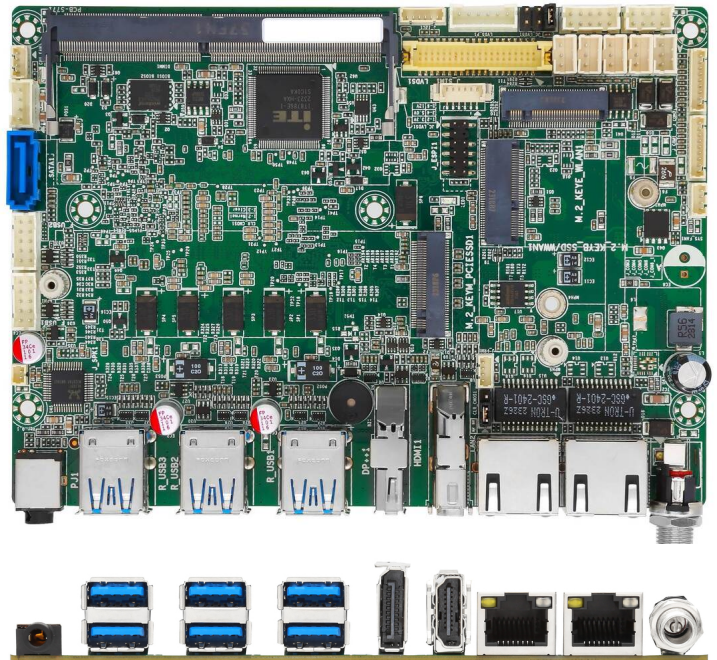
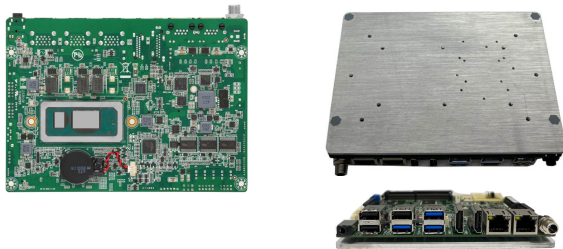


Features

- Intel 12th Intel Core Alder Lake-P Processor
- CPU on Rear side for heat dissipation
- 6 x COM, 9 x USB, 2 x Intel 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 12/24V Power Input auto detect
- Heat spreader for heat dissipation and integration



Core System

CPU	Intel Core i7-1255U, 2P8E-core, up to 4.70 GHz, TDP 15W Intel Core i5-1235U, 2P8E-core, up to 4.40 GHz, TDP 15W Intel Core i3-1215U, 2P4E-core, up to 4.40 GHz, TDP 15W
System Memory	DDR4-3200 MHz, 1 x non-ECC SO-DIMM, up to 32GB
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 x4 NVMe / SATA SSD, 2280, default is NVMe)
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 (PCIe + USB 3.0 + USB 2.0, Support 5G/4G, 2242/3052)
Power Input	DC-in 12/24V auto detect
Smart Fan Control	Supported
Dimensions	146 x 105 mm, 3.5-inch
Operating Temperature	-20°C to +60°C
Storage Temperature	-25°C to +70°C
Humidity	10% to 95% relative humidity, non-condensing

Rear I/O

USB	6 x USB 3.0
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

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	2 x RS-232, 3 x RS-232/TTL, 1 x RS-232/485/TTL
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 I2C Touch Wafer, 1 x System FAN Wafer, 1 x CPU FAN Wafer, 1 x CMOS Clear Jumper

Graphics

Chipset	For i7, Intel Iris Xe Graphics, up to 96 EUs, 1.25GHz For i5, Intel Iris Xe Graphics, up to 80 EUs, 1.20GHz For i3, Intel UHD Graphics, up to 64 EUs, 1.10GHz
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 3840 x 2160 @ 60Hz

Others

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

Ordering Information

TH35-i3-1215U	With Intel Core i3-1215U processor, 2P4E-core, up to 4.40GHz
TH35-i5-1235U	With Intel Core i5-1235U processor, 2P8E-core, up to 4.40GHz
TH35-i7-1255U	With Intel Core i7-1255U processor, 2P8E-core, up to 4.70GHz