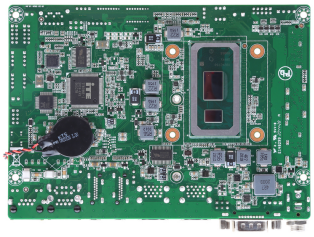
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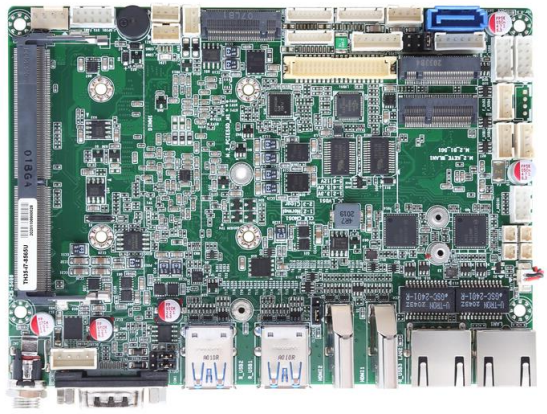
3.5-inch Industrial motherboard

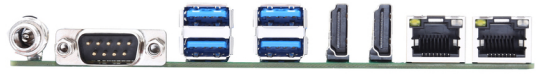
TH35-i7-8565U

Features

- Intel Whiskey Lake-U processor
- CPU on Rear side for heat dissipation
- 6 x COM, 11 x USB, 2 x Gigabit LAN
- 3 x M.2 support SATA, Wifi/BT, 4G/5G
- Support triple displays for 2 x HDMI, 1 x LVDS/eDP
- Support DC 12V Power Input







Core System

CPU	Intel Core i7-8565U, Quad-core, 1.8 GHz, up to 4.6 GHz, TDP 15W
System Memory	DDR4-1866/2133/2400 MHz, 1 x SO-DIMM, up to 16GB
Chipset	SoC integrated
BIOS	AMI
Storage	1 x SATA 3.0 (header), 1 x M.2 Key-M/B Slot
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x M.2 Key-B Slot (4G/5G, with 1 x SIM Header) 1 x M.2 Key-E Slot (Wifi + BT)
Power Input	DC-in 12V
Smart Fan Control	-
Dimensions	146 x 105 mm, 3.5-inch
Operating Temperature	0°C to +60°C (+32°F to +140°F)
Storage Temperature	-20°C to +70°C (-4°F to +158°F)
Humidity	10% to 95% relative humidity, non-condensing

Rear I/O

USB	4 x USB 3.0
Display I/O	2 x HDMI
Audio I/O	-
LAN I/O	2 x RJ-45, Intel I211 Giga LAN
Serial Port	1 x RS-232/485
PS/2 Port	-
Others	-

Internal Connectors

USB	7 x USB 2.0
Display I/O	1 x LVDS/eDP
Audio I/O	Realtek ALC662 5.1 channel HDA Codec, with MIC/Line-out
Serial Port	4 x RS-232, 1 x RS-232/485
Parallel Port	-
GPIO	1 x GPIO Header (Programmable support 8-bit GPIO)
Others	1 x System Fan Header 1 x System Reset Header 1 x HDD LED Header 1 x Power LED Header 1 x Power Button Header 1 x CMOS Clear Jumper

Graphics

Chipset	Intel HD Graphics
VGA	-
DVI	-
HDMI	Up to 4096 x 2160 @ 30Hz
Display Port	-
LVDS	Up to 1920 x 1200 @ 60Hz
eDP (Option)	Up to 3840 x 2160 @ 60Hz

Others

OS Support	Windows 10, Windows 7, Linux
Certifications	CE / FCC Class B