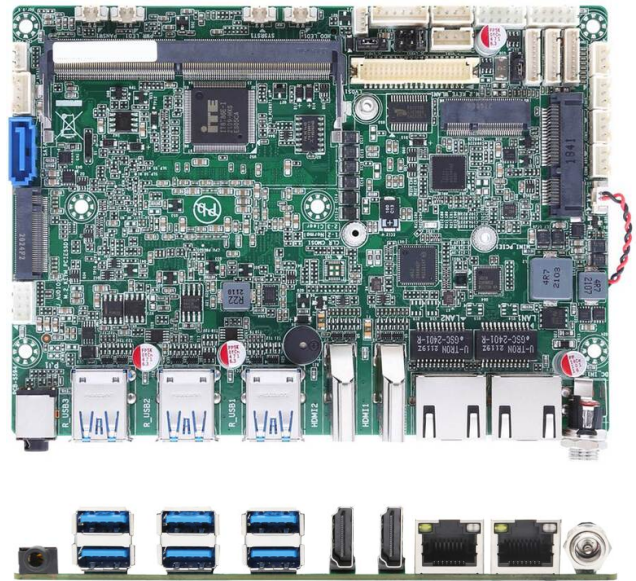
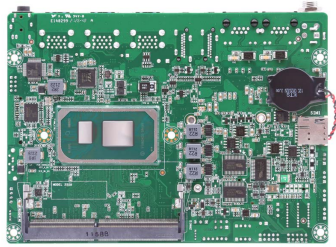


### Features

- Intel 11th Intel Core/Celeron Tiger Lake processor
- CPU on Rear side for heat dissipation
- 6 x COM, 10 x USB, 2 x Gigabit LAN
- 2 x M.2, 1 x Mini-PCIe (Support Wifi + 3G/4G), 1 x SATA
- Support triple displays for 2 x HDMI, 1 x LVDS/eDP
- Support DC 12V Power Input



### Core System

CPU	Intel Core i7-1165G7, Quad-core, up to 4.40GHz Intel Core i5-1135G7, Quad-core, up to 4.20GHz Intel Core i3-1115G4, Dual-core, up to 4.10GHz Intel Celeron 6305E, Dual-core, 1.80GHz, TDP 15W (For i7/i5/i3, TDP default is 28W, 12W/15W Bios optional)
System Memory	DDR4-3200 MHz, 2 x non-ECC SO-DIMM, up to 64GB
Chipset	SoC integrated
BIOS	AMI
Storage	1 x SATA 3.0 7P Connector (with 1 x SATA power header)
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	Support PCIe x4 Gen.4 NVMe SSD, Gen.3 for Celeron 6305E 1 x M.2 Key-M Slot (PCIe x4 NVMe / SATA SSD, 2280) 1 x M.2 Key-E Slot (PCIe + USB 2.0, Support Wifi + BT, 2230) 1 x Mini PCI-E Slot (PCIe + USB 2.0, Support Wifi +3G/4G, with 1 x nano-SIM card slot)
Power Input	DC-in 12V
Smart Fan Control	Supported
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	6 x USB 3.0
Display I/O	2 x HDMI
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 12V Power Input Connector

### Internal Connectors

USB	4 x USB 2.0
Display I/O	1 x LVDS/eDP Header (LVDS Default)
Audio I/O	Realtek ACL662 5.1 Channel HDA Codec, 1 x Front Audio Header
Serial Port	3 x RS-232, 2 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 Debug Header, 1 x HDD LED Header, 1 x System Reset Header, 1 x Power LED Header, 1 x Power Button Header, 1 x CPU FAN Header, 1 x CMOS Clear Jumper

### Graphics

Chipset	For i7, Intel Iris Xe Graphics, up to 96 EUs, 1.3GHz For i5, Intel Iris Xe Graphics, up to 80 EUs, 1.3GHz For i3/Celeron, Intel UHD Graphics, up to 48 EUs, 1.25GHz
VGA	-
DVI	-
HDMI	Up to 4096 x 2160 @ 30Hz
Display Port	-
LVDS	Up to 1920 x 1200 @ 60Hz (Default)
eDP (Option)	Up to 3840 x 2160 @ 60Hz

### Others

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