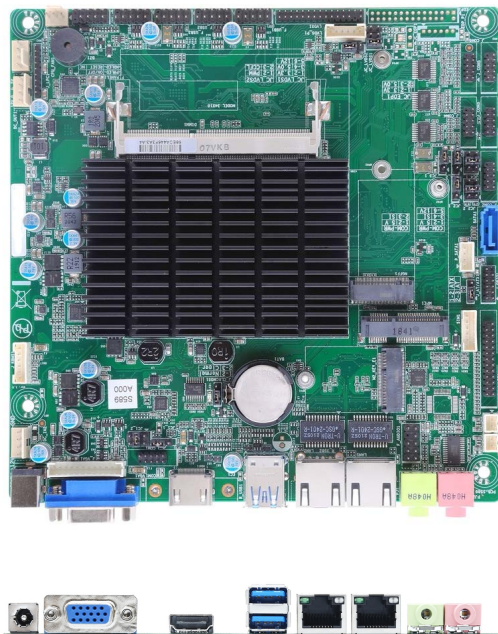
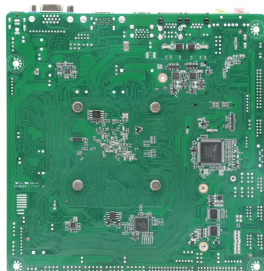


Features

- Intel Apollo Lake processor
- 1 x DDR3L SO-DIMM, up to 8GB
- Support triple displays for VGA, HDMI, and LVDS
- 1 x Mini PCIe slot support Wifi/3G/4G
- 1 x M.2 Key-B slot (SATA SSD, 2242/2280)
- 7 x USB 2.0, 2 x USB 3.0, 6 x COM, 2 x Giga LAN
- DC-in 12V power input



Core System

CPU	Intel Celeron Apollo Lake J3455 CPU Quad-Core, up to 2.3 GHz, TDP 10W
System Memory	DDR3L 1333/1600/1866 MHz, 1 x SO-DIMM, up to 8 GB
Chipset	SoC integrated
BIOS	AMI
Storage	1 x SATAIII 7P connector, 1 x M.2 Key-B slot (SATA SSD, 2242/2280)
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x Mini PCIe (1 x Wifi/3G/4G, with 1 x SIM card Header) 1 x M.2 Key-E Slot (Wifi+BT, 2230)
Power Input	DC-in 12V
Smart Fan Control	Support
Dimensions	170 x 170 mm
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	2 x USB 3.0
Display I/O	1 x VGA 1 x HDMI
Audio I/O	1 x Mic-in, 1 x Line-Out
LAN I/O	2 x RJ-45, Realtek Giga LAN
Serial Port	-
PS/2 Port	-
Others	1 x DC Jack

Internal Connectors

USB	7 x USB 2.0
Display I/O	1 x Backlight Connector 1 x LVDS
Audio I/O	1 x Mic-in / 1 x Line-out
Serial Port	6 x RS-232
Parallel Port	1 x Parallel Port Header
GPIO	1 x GPIO Header (Programmable support 8-bit GPIO)
FAN	1 x Smart fan control
Power	DC-in 12V, 1x AT/ATX select jumper
Others	1 x System/CPU FAN Header, 1 x PS/2 Keyboard/Mouse

Graphics

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

Others

OS Support	Windows 10 64-bit, Linux
Certifications	CE / FCC