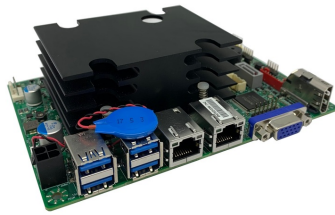
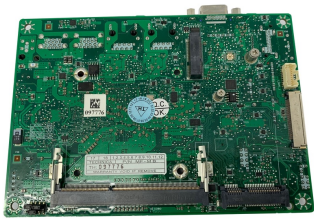


### Features

- Intel Apollo Lake Atom/Celeron/Pentium BGA processor
- 4 x COM, 6 x USB, 2 x Intel Gigabit LAN
- 1 x Mini-PCIe, 1 x M.2 Slot
- Support triple displays for VGA, HDMI, LVDS/eDP
- Support 8 - 24V Wide Power Input
- mPCIe with SIM card holder
- Support -40°C to +85°C Operating Temperature



### Core System

CPU	Intel Apollo Lake-I E3930, Dual-core, 1.3 GHz, TDP 6.5W
System Memory	DDR3L-1867, 1 x 204-pin SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
Storage	2 x SATA 3.0 (1 x SATA is multiplexed with 1 x mSATA port)
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x Mini-PCIe Full size (USB/PCIe/SATA), with SIM Card Holder 1 x M.2 2230 E key (PCIe/USB)
Power Input	8-24V Wide Range DC Input with 4-pin ATX connector
Smart Fan Control	Supported
Dimensions	146 x 105 mm, 3.5-inch
Operating Temperature	-40°C to +85°C (-40°F to +185°F)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Humidity	10% to 95% relative humidity, non-condensing

### Rear I/O

USB	4 x USB 3.0
Display I/O	1 x VGA 1 x HDMI
Audio I/O	-
LAN I/O	2 x RJ-45, Intel I210 Giga LAN
Serial Port	-
PS/2 Port	-
Others	-

### Internal Connectors

USB	2 x USB 2.0
Display I/O	1 x LVDS, 1 x eDP 1 x Backlight Connector
Audio I/O	1 x Audio Header (Front Panel Mic-in & Line-out)
Serial Port	4 x RS-232, one support RS-232/422/485)
Parallel Port	-
GPIO	1 x GPIO Header (Programmable support 10-bit GPIO)
Others	1 x 4-pin CPU Fan Header 1 x 8-24V ATX Power Connector, 1 AT/ATX Mode Select Jumper 1 x CMOS Jumper

### 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)	Up to 3840 x 2160 @ 60Hz

### Others

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