

Front View

## Launching in Q1

Rear View

## Features

- Intel® WHL-U Core i7/i5/i3/Celeron® Processor SoC
- DDR4 SO-DIMM Slot x 1 (up to 16GB)
- 40-pin HAT Connector
- SATA 3 x 1
- M.2 3042/3052 B Key x 1
- M.2 2280 M Key x 1 (PCIe [x2])
- M.2 2230 E Key x 1
- Audio Jack x 1 (line out + Mic)
- Lockable DC Connector

## Specifications

System	
CPU	8th generation Intel® Core i7/i5/i3/Celeron Processor SoC
Memory	DDR4 SO DIMM slot x 1 , Max 16GB
Graphics	Intel® Graphics , GEN 9
Storage	SATA3 (6Gb/s) x 3: a. SATA connector x 1 b. M.2 2280 SATA option (auto detect) x 1
Ethernet	Intel i211 GbE port x2
WiFi/BT	Optional
Audio	Line out + MIC x 1
USB	USB 3.2 Gen 2 x 4
Expansion Slot	M.2 2230 E Key x 1 M.2 2280 B+M Key x 1 M.2 3042/3052 B Key x 1 40pin HAT
I/O Placements	
Power	DC-in Jack x 1, Power Button x 1
USB	USB 3.2 Gen 2 STACK Connector for 2 ports (Front) x 1 USB 3.2 Gen 2 STACK Connector for 2 ports (Rear) x 1
Display Port	HDMI 1.4 x 1 DP 1.2 x 1 eDP x 1
Ethernet	RJ45 connector x 2
COM	RS-232/422/485 x 2
Environment	
Power	12V - 24VDC
Form Factor	5.59" x 4.89" x 1.8" (142mm x 124mm x 45.7mm)
Gross Weight	—
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A, RoHS Compliant, REACH
OS Support	Win 10, Linux Ubuntu 18.04 with Kernel 5.0, Linux Yocto 2.7 with Kernel 4.19