

QBi Pro (3.5" SBC)

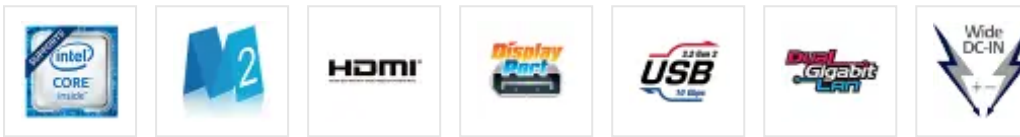
## QBIP-1340A

Preliminary

### Key Features

- 3.5" SBC
- Intel® Core™ i5-1340P Processor
- Dual Channel DDR5, 2 x SO-DIMMs
- 2 x 2.5GbE LAN Ports
- 1 x SATA 6Gb/s Port
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 2 x HDMI, 2 x DP, eDP ports for multiple display
- 1 x COM Port (RS-232 & RI/5V/12V)
- 4 x USB 3.2 Type A Gen 2x1
- 2 x USB 3.2 Type C Gen 2x1

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Specification

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## Specification

Form Factor

3.5" SBC  
146W x 101.7D(mm)

CPU

Intel® Core™ i5-1340P Processor  
Intel 7, 12 cores, 16 threads, up to 4.60 GHz  
TDP 28W  
12 MB Smart Cache

Socket

1 x FCBGA1744

## Memory

2 x DDR5 SO-DIMM sockets, Max. Capacity 128 GB  
Support Dual Channel DDR5 4800 MHz memory modules

## Ethernet

2 x 2.5GbE LAN Ports (Intel® I226V)

## Video

Integrated Graphics Processor - Intel® Iris® Xe Graphics eligible:  
2 x HDMI 2.1 ports, supporting a maximum resolution of 4096x2160 @60Hz  
2 x DP 1.4 ports, supporting a maximum resolution of 7680x4320 @30Hz  
1 x DP 1.4 through USB type C (8k), supporting a maximum resolution of 7680x4320 @30Hz  
1 x eDP port, supporting a maximum resolution of 4096x2304 @60Hz  
  
(4 independent display outputs)

## Audio

Realtek® Audio Codec

## Storage

1 x SATA 6Gb/s Port (SATA RAID 0/1)

## Expansion Slots

1 x 2280 M.2 M-Key (PCIe x4, SATA 6Gb/s)  
1 x 2230 M.2 E-Key  
1 x 3052/3042 M.2 B-Key with SIM Slot (Support 5G only USB interface)  
1 x PCIe x4 (Board to Wire connector)


## Internal I/O

1 x 4-pin box power connector (DC in +12V~24VDC)  
1 x SATA Power header  
1 x CPU fan header  
1 x System fan header  
1 x Front panel header  
1 x Front panel audio header  
1 x 2W Speaker out header  
4 x USB 2.0 headers  
1 x COM header (RS-232 & RI/5V/12V)  
1 x Backlight Control header  
1 x GPIO (8 bits) & SMBus header

## Rear I/O

1 x USB type C (USB 3.2 Gen 2x1 + DP output-share with DP) & PD v3.0 Out -100W (Adapt 24V only) PD v3.0 Out 60W (Adapt 12V ~ 19V)  
1 x USB type C (USB 3.2 Gen 2x1, PD 3.0 input-100W)  
4 x USB 3.2 Gen 2x1  
2 x HDMI  
2 x DP  
2 x RJ45 LAN Ports

**TPM**

Onboard TPM 2.0 security chip   
INFINEON SLB9672VU2.0

**OS Compatibility**

Windows 10/11 (x64)

**Operating Properties**

Operating temperature: 0°C to +60°C  
Operating humidity: 0-90% (non-condensing)  
Non-operating temperature: -40°C to +85°C  
Non-operating humidity: 0%-95% (non-condensing)

**Packing Content**

Carton size: 465 x 351 x 217 (mm)  
Packing Capacity: 10pcs

Single Box size: 221 x 178 x 65 (mm)  
Single Box weight: Approx. 0.4kg

Including:  
SATA power Cable x 1 (P/N: 25CRI-200B02-K1R)

**Order Information**

9MRLP5ASMR-SI (Box Packing)

**Optional Kit**

Fanless Heatsink P/N: 25ST1-1Z31Z3-A8R  
Fansink P/N: 25ST4-3431Z0-A7R  
Heat spreader P/N: 25ST5-MADU00-Y0R