Specifications

Processor
- Intel® 9th/8th Gen Core™ i5 processor in LGA1151 Socket, TDP under 65W (AIP-FH31-A1)
- Intel® 9th/8th Gen Core™ i7 processor in LGA1151 Socket, TDP under 65W (AIP-FH31-A2)
- Intel® H310 Chipset

System Memory Support
- 2x DDR4 SO-DIMM sockets, Max. Capacity 32 GB
- Support Dual Channel DDR4 2666/2400 MHz

Storage
- 3x 2.5” HDD/SSD (SATA 6Gb/s)
- 1x 2280 M.2 M-Key (SATA 6Gb/s)

Front I/O
- 1x Power Switch/ Power/ HDD LED
- 3x Audio Jacks (Realtek ALC269, Line in/Line out/Mic in)
- 1x Display Port/1x DVI-D/1x VGA
  (Intel® HD Graphics, 2 independent display outputs)
- 2x COM Ports (RS-232/422/285 & RI/5V/12V)
- 2x COM Ports (RS-232)
- 4x RJ45 LAN Ports (1x Intel® I219V and 3x Intel® I211AT)
- 4x USB 3.2
- 4x USB 2.0
- 1x 4-pin Terminal Block
- 2x External Antenna Hole (Optional)

Expansion Slots
- 1x 2230 M.2 E-Key
- 1x Full-size mini PCIe with SIM slot
- 1x PCIe x1 (Gen3 x1)
- 1x PCIe x16 (Gen3 x16)

Others
- Supports TPM2.0

Power Supply
- +24V~36V DC (Full Range)

Dimension
- 224W x 343D x 146H (mm)

Operating Temperature
- -20°C ~ 50°C (With Expansion Kit)
## Product Configuration

<table>
<thead>
<tr>
<th>Product name</th>
<th>Description</th>
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<tbody>
<tr>
<td>AIP-FH31-A1</td>
<td>Intel® I5 Processor/1x 32GB SO-DIMM DDR4-2666/1x 1TB SSD/600W Adapter+ Power cable(AC+DC)</td>
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<tr>
<td>AIP-FH31-A2</td>
<td>Intel® I7 Processor/1x 32GB SO-DIMM DDR4-2666/1x 1TB SSD/600W Adapter+ Power cable(AC+DC)</td>
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