Fanless System

# HB368F21 Series

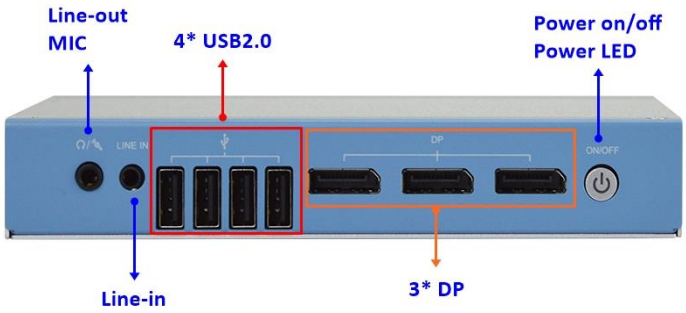
*Intel® Elkhart Lake SoC Processor, DDR4 3200MHz up to 32GB*

## Features

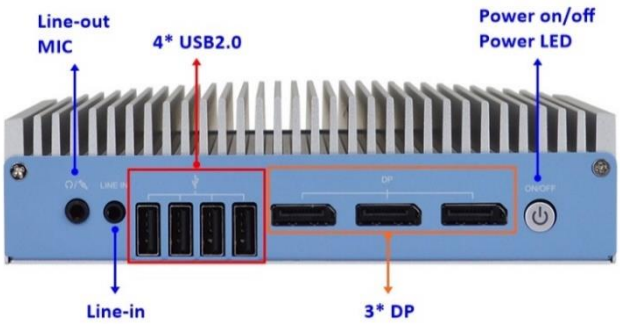
1. Intel Elkhart Lake SoC Processor
2. 1* DDR4 3200MHz SO-DIMM up to 32GB
3. 2* USB3.1 (Gen.2), 4* USB2.0, 2* RJ45,1* Audio (MIC + Line-out), 1* Line-IN, 3* DP, 2*COM, 1* GPIO
4. Support TPM2.0 (option)
5. BB Dimensions:
   HB368F21-6210-S (160.2*106*27 mm)
   HB368F21-6210-I (160.2*106*27 mm)
   HB368F21-6412-I (160.2*106*27 mm)
   HB368F21-6412-W (160.2*106*43.5 mm)
6. DC12V_40W/60W Adapter (BY Model)

RoHS COMPLIANT

## Front I/O : HB368F21-XXXX-S/I

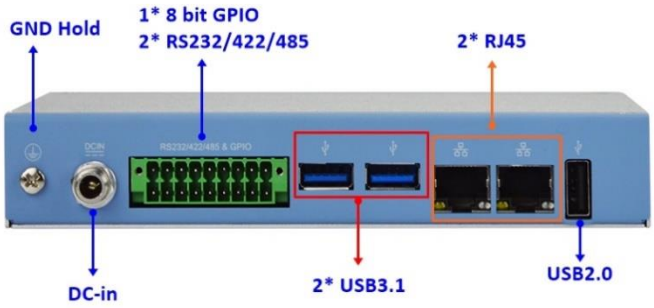



## HB368F21-XXXX-S/I/W

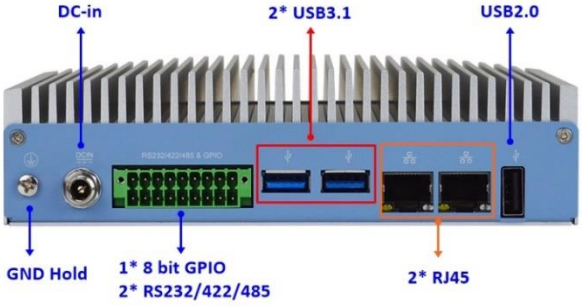



## Rear I/O : HB368F21-XXXX-S

## Rear I/O : HB368F21-XXXX-I




## HB368F21-XXXX-W

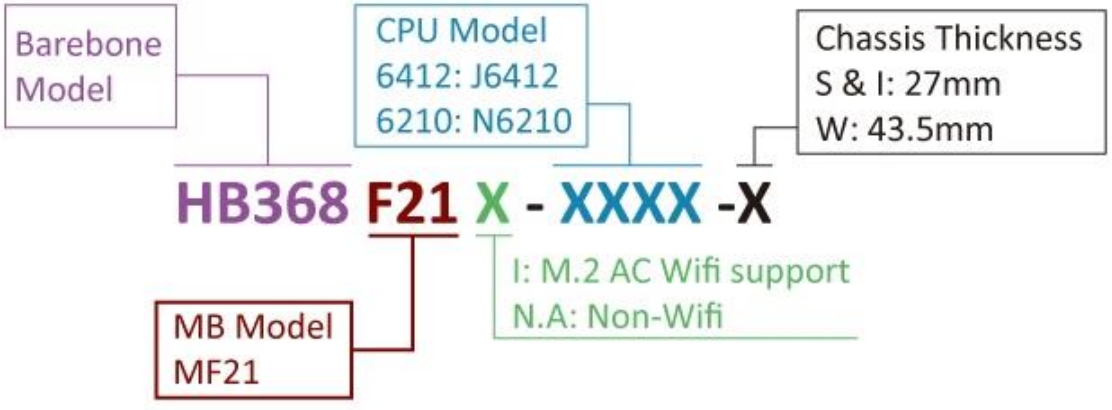


## Specifications

| | |
|---|---|
| **Model** | • HB368F21-6210-S (non-WiFi) & HB368F21I-6210-S (WiFi)<br>• HB368F21-6210-I (non-WiFi) & HB368F21I-6210-I (WiFi)<br>• HB368F21-6412-I (non-WiFi) & HB368F21I-6412-I (WiFi)<br>• HB368F21-6412-W (non-WiFi) & HB368F21I-6412-W (WiFi) |
| **CPU / Chipset** | • Intel® Elkhart Lake SoC Processor<br>(N6210 , TDP 6.5W & J6412 , TDP 10W) |
| **BIOS** | • AMI Flash ROM |
| **Memory** | • 1* DDR4 3200MHz SO-DIMM up to 32GB |
| **Network** | • 2* Realtek RTL8119I GbE |
| **Graphics** | • Intel® HD Graphics, shared memory<br>• 3* DP (Max Resolution: 4096x2160@60Hz) , Support Triple Displays |
| **Storage** | • 1* M.2 M-key (2242/2280, PCIe Gen.3 x2/SATA interface) support NVME<br>• 32GB eMMC onboard (option) |
| **Expansion** | • 1* M.2 E-key (2230, PCIe Gen.3 x1/USB2.0 interface)<br>• 1* M.2 B-key (3042,USB3.0 interface) |
| **Rear Panel I/O** | • 2* RJ45<br>• 2* USB3.1(Gen.2),1* USB2.0<br>(HB368F21-6210-I / HB368F21-6412-I / HB368F21-6412-W only)<br>• 1* 8 bit GPIO (Phoenix Connector 2*9 PIN)<br>(HB368F21-6210-I / HB368F21-6412-I / HB368F21-6412-W only)<br>• 2* RS232/422/485 (Phoenix Connector 2*9 PIN)<br>(HB368F21-6210-I / HB368F21-6412-I / HB368F21-6412-W only)<br>• 1* DC in (Lockable) |
| **Front Panel I/O** | • 1* Power button + Power LED<br>• 4* USB2.0<br>• 1* Audio(Line out+MIC)<br>• 1* Line in<br>• 3* DP |
| **Internal Connector** | • SIM Card Holder |
| **Power Source** | • Adapter : AC 90~240V input / DC12V_40W output<br>• Adapter : AC 90~240V input / DC12V_60W output (HB368F21-6412-W only)<br>• MB : DC12~36V input |
| **Compliance** | • CE, FCC, LVD, RoHS, ErP Ready |
| **Dimensions** | • HB368F21-6210-S System: 160.2 (W) x 106 (D) x 27 (H) mm<br>Net Weight: 0.61KG: Gross Weight: 1.12KG<br>• HB368F21-6210-I / HB368F21-6412-I System: 160.2 (W) x 106 (D) x 27 (H) mm<br>Net Weight: 0.61KG: Gross Weight: 1.12KG<br>• HB368F21-6412-W System: 160.2 (W) x 106 (D) x 43.5(H) mm<br>Net Weight: 1.01KG: Gross Weight: 1.52KG |
| **Temperature** | • HB368F21-6210-S : Operating Temperature: -20 ~ 60° C<br>• HB368F21-6210-I : Operating Temperature: -20 ~ 60° C<br>• HB368F21-6412-I : Operating Temperature: -20 ~ 50° C<br>• HB368F21-6412-W : Operating Temperature: -20 ~ 80° C<br>(Under the condition of using M.2 interface SSD)<br>• Storage Temperature: -20 ~ 60° C<br>• Humidity: 10% ~ 90% RH @40°C (non-condensing) |
| **OS Support** | • Windows 11, Linux |
| **Warranty** | • 2 Years limited warranty |

* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Part Number Rules

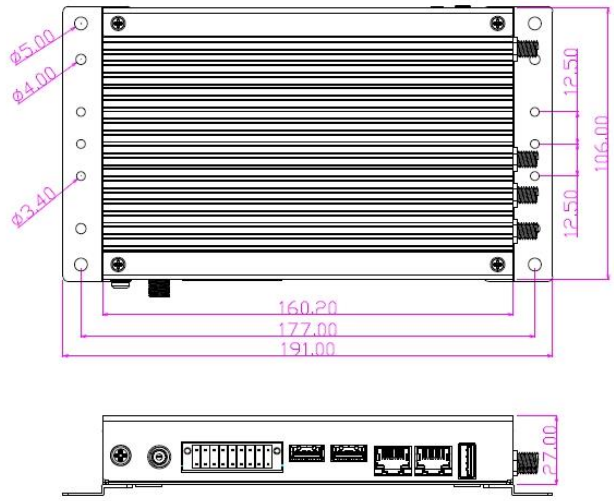


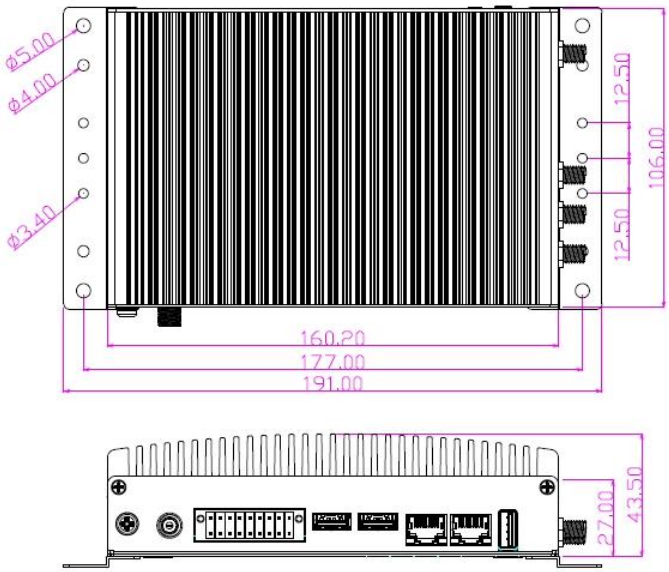
## Standard Accessories

| Part Number | Description |
|---|---|
| ---------- | HB368F21 series |
| ---------- | WALL MOUNT KITS |
| ---------- | DIN RAIL KITS |
| L01AS051-F | Adapter DC12V_40W |
| L01AS052-F | Adapter DC12V_60W / HB368F21-6412-W only |
| Change according to shipping area | Power cord |
| LCSCHBJC3XX-F | Screw Pack |
| J05-ANT-GX57245-F | Antenna 2G4/5G 2.8dBi (WiFi only) |

## Mechanical Drawings (Unit=mm)

### HB368F21-6210-S & HB368F21-6210-I & HB368F21-6412-I




### HB368F21-6412-W