



## Features

- Onboard 13th Gen Intel® Core™ i7-1370PRE mobile processor, **supports wide-temp.**
- 1x DDR5 SO-DIMM, up to 32GB, supports IBCEC
- supports 2x DP++, LVDS, and eDP
- 2x Intel® I226IT PCIe 2.5G LAN
- 3x USB 2.0, 3x USB 3.2, 2x COM, 2x SATA III
- 3x M.2 slots (M-Key + E-Key + B-Key)
- supports digital I/O (4-in/4-out), fTPM, and watchdog timer



## Specifications

CPU	Onboard 13th Gen Intel® Core™ i7-1370PRE processor, support wide-temp
PCH	N/A
Memory	1x DDR5 SO-DIMM, Max.32GB, supports IBCEC
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	M.2 (M2280 for NVMe) SATA III
Mini Type Slots	1x M.2 (M-Key, Type:2280, with PCIe (4x) signal only, supports NVMe) 1x M.2 (E-Key, Type:2230, with PCIe (1x) & USB 2.0 signal, supports CNV) 1x M.2 (B-Key, Type:3052, with PCIe (1x) & USB 3.2 signal, supports 5G/LTE)
Graphics Controller	13th Gen Intel® Core™ mobile processor integrated graphics
Video Output	2x DisplayPort, eDP, and LVDS
Ethernet	2x Intel® I226IT 2.5G LAN
I/O Chipset	Fintek F81804U-I
Serial Port	2x COM (RS232/422/485)
USB 2.0	3x USB 2.0 (1x Type-A ; 2x via pin headers)
USB 3.X	3x USB 3.2 (Type-A)
Serial ATA	2x SATA III
Audio	Integrated HD audio with ALC888S codec
TPM	fTPM only
Others	Digital I/O (4-in/4-out); <b>+12V~+24V DC-in</b>
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	Intel® Core™ i7-1370PRE processor, Up to 4.8GHz w/ 1x 32GB DDR5-5600 memory +24V: 3.82A
Operating Temperature	<b>-40°C~+75°C (-40°F~+167°F)</b>
Storage Temperature	-45°C~+80°C (-49°F~176°F)
Relative Humidity	10% ~ 90% (non-condensing)

## Ordering Information

IB96WAF-I7PRE	Intel® Core™ i7-1370PRE 3.5" SBC, w/ Dual I226IT LAN, VGA (2x DisplayPort + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230 & B3052), DC in (12V~24V), supports iAMT, fTPM, Optional heatsink, w/o cable kit, (RoHS 2)
HSIB96W-B	Heatsink with fan for IB96W
HSIB96W-1	Heat spreader for IB96W
IB76A-2	Cable kit w/USB, COM, Power, SATA + Power

## Dimensions and Drawings

