

# ASB210-953-AI

## Edge AI Computing System

Slim System with 11th Gen Intel® Core™ U-Series CPU & Hailo-8™ M.2 AI Acceleration Module



**HAILO**  
Empowering Intelligence

Hailo-8™ M.2 AI Module



### Features

- With Hailo-8™ AI accelerator module supporting up to 26 Tera-Operations Per Second (TOPS)
- System with IBASE IB953 3.5" Single Board Computer (TDP-up 28W)
- Onboard 11th Gen Intel® Core™ U-Series Processor
- Supports 2x M.2 sockets (B-Key/E-Key)
- 12V (-10%) ~ 24V (+10%) DC-in power input
- 2x DDR4-3200 SO-DIMM, Max. 64GB
- 3x USB 3.1, 1x USB 2.0, 2x Intel® GbE, 1x COM
- External GPIO, 2x DisplayPort, TPM (2.0)
- Optional VESA mount bracket

### Specifications

System Mainboard	IB953AF-i7/ IB953AF-i5/ IB953EF-i3
CPU Type	Intel® Core™ i7-1185G7E Processor Intel® Core™ i5-1145G7E Processor Intel® Core™ i3-1115G4E Processor
System Speed	Up to 4.4GHz
Memory	2x DDR4-3200 SO-DIMM, Max. 64GB
AI Accelerator	Hailo-8™ AI accelerator module, up to 26 TOPS
LAN	IB953AF series: Intel® I219LM Gigabit LAN PHY IB953EF series: Intel® I219V Gigabit LAN PHY Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN)
Front Panel External I/O	3x USB 3.1 1x USB 2.0 2x DisplayPort 1x DB9 for COM# 1 (RS232/422/485) 2x Gigabit LAN
Rear Panel External I/O	1x Power button 1x Digital I/O (4-in/4-out) 2x Antenna holes 1x HDD LED 1x 3-pin DC-in terminal block for 12V (-10%) ~ 24V (+10%)
Expansion Slots	2x M.2 sockets (B-Key/ E-Key) 1x M.2 M-key for Hailo-8™ AI accelerator module
Storage	1x 2.5" HDD or SSD
Auto Control and Monitoring	Watchdog Timer 256 levels
Power Requirement	12V~24V DC-in
Power Supply	90W power adaptor
Construction	Aluminum & steel 1x System fan
Chassis Color	Black
Mounting Type	Desktop or wall mount (wall mount kit included) Optional VESA mount kit
Weight	1.5kg
Dimensions	180mm (W) x 150mm (D) x 72mm (H) 7.08" (W) x 5.9" (D) x 2.83" (H)
Operating Temperature	0°C~45°C (32°F~113°F) *with airflow 0.9m/s
Storage Temperature	-20°C ~80°C (-4°F~176°F)
Relative Humidity	5%~90%@45°C (non-condensing)

Vibration	Operating: 3Grms / 5~500Hz
Shock	Operating : 20G / 11ms Non-operating : 40G / 11ms
Certification	CE/LVD/FCC Class-B
Operating System	Linux (Ubuntu 18.04 / 20.04)

### Dimensions and Drawing

