

ATO-H66B SERIES

7/6th Gen Intel® Kaby Lake/Skylake-S Core™ i7/i5/i3 Processors



7/6th-Gen Intel® Kaby Lake/Skylake-S Core™ i7/i5/i3 compact computer with 6x GbE, 2x COM, 4x USB and 1x PCIe x16

Key Features

- Intel® Kaby Lake/Skylake-S Core™ i7/i5/i3 processors
- Compact design
- 12V to 24V wide range DC power input
- 2x Video ports (1x HDMI,1x VGA)
- 6x LAN ports (1x Gigabit/I219V,5x Gigabit/I211AT)
- 2x COM ports (2x RS232/422/485 & RI/5V/12V)
- 4x USB ports (4x USB 3.2 Gen1)
- 1x PCIe x16 (supports PCIe card <180mm)
- 1x 2.5"(internal)HDD/SATA3(6Gb/s)
- 1x M.2 KEY M. 2242/2280(SATA3(6Gb/s)
- 1x mini-PCIE(Full)(SATA)

Introduction

ATO-H66B is a compact rail mounted computer designed with efficient heat dissipation, allowing users to flexibly choose the sixth or seventh generation Intel with power specifications ranging from 35W to 65W @ Core™ i7/i5/i3 series processors. Supporting a wide voltage range of 12-24V can effectively protect the system from instability caused by power surges. The rich interface configuration includes 6 LANs, 2 serial ports, and 4 USB (4x USB3.2 Gen1), two independent display outputs (up to two can be displayed simultaneously), and one 2.5-inch hard drive. Additionally, one PCIe x16 slot is provided, which can support various types of PCIe cards with lengths less than 180mm. ATO-H66B is a compact rail mounted computer that is very suitable for industrial automation applications.

System Specification

MODEL SERIES	DISPLAY	LAN	PoE	COM	USB	STORAGE	EXPANSION
ATO-H66B	2	6	0	2	4	1x M.2 KEY M 2242/2280(SATA3(6Gb/s))	1x PCIe x16
						1x mini-PCIE(Full)(SATA)	
						1x 2.5"(internal)HDD/SATA3(6Gb/s)	

SYSTEM

CPU	7/6th Gen Intel® Kaby Lake/Skylake-S Core™ i7/i5/i3 processors
CPU(TDP)	65W
Chipset	H110
Graphics	Intel HD Graphics
BIOS	AMI SPI 256 Mbit
Watchdog Timer	256 Segments, 0,1,2,...255sec
TPM	Option

POWER

DC Input	12~24V
Power Interface	4-pin DC Jack
Power on Mode	AT/ATX
Remote Switch	4 pin-Terminal Block
Power Switch	Button
Other Switch	Reset

MECHANICAL

Mounting	Wall Mount, Din Rail
Antenna Hole	2
Dimension	108 x 198 x 215 (mm)
Weight	1.2Kg
Cooling	System Fan

EXTERNAL I/O

Display	2x Video Ports (1x HDMI/4096 x 2160@30Hz,1x VGA/1920 x 1200@60Hz)
Multipal Display	2 (Dual Display)
LAN	6x LAN Ports (1x Gigabit/I219V,5x Gigabit/I211AT)
COM	2x COM Ports (2x RS232/422/485 & RI/5V/12V)
USB	4x USB Ports (4x USB 3.2 Gen1)
Audio	3x (Line-In,Line-Out,Mic-In)

MEMORY

Technology	Dual Channel DDR4
Frequency	2400/2133MHz
Maximum Capacity	32GB (Max)
Socket	2x SO-DIMM socket

STORAGE

M.2	1x M.2 KEY M. 2242/2280(SATA3(6Gb/s))
mini-PCle	1x mini-PCIE(Full)(SATA)
SATA HDD	1x 2.5" (internal) HDD/SATA3(6Gb/s)

EXPANSION

PCI/PCle Express	1x PCIe x16
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OTHER

USB Dongle	1x
LED	Power,HDD,LAN

ENVIRONMENT

Storage Temp.	-40° to 85° C
Storage Humidity	5%~95%
Operating Temp.	-10° to 60° C
Operating Humidity	5%~95%

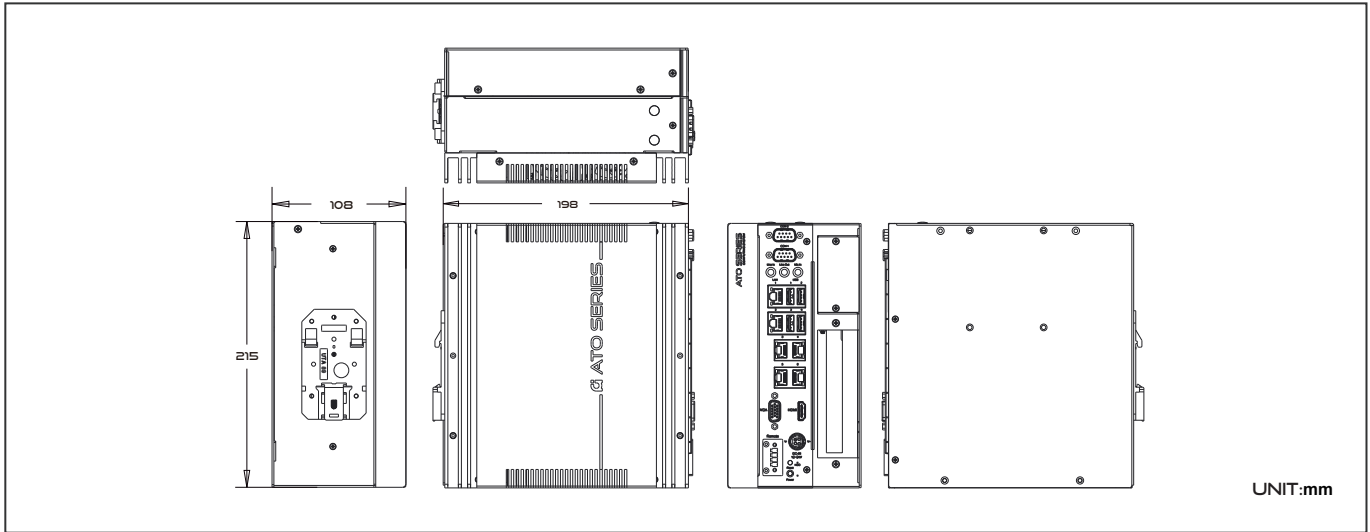
CERTIFICATION

Shock	IEC60068-2-27 / 50G @ Half-sine, 11ms(with SSD)
Vibration	IEC60068-2-64 / 5 Grms, 5-500 Hz, 3 Axes(with SSD)
Certification	CE, FCC Class A

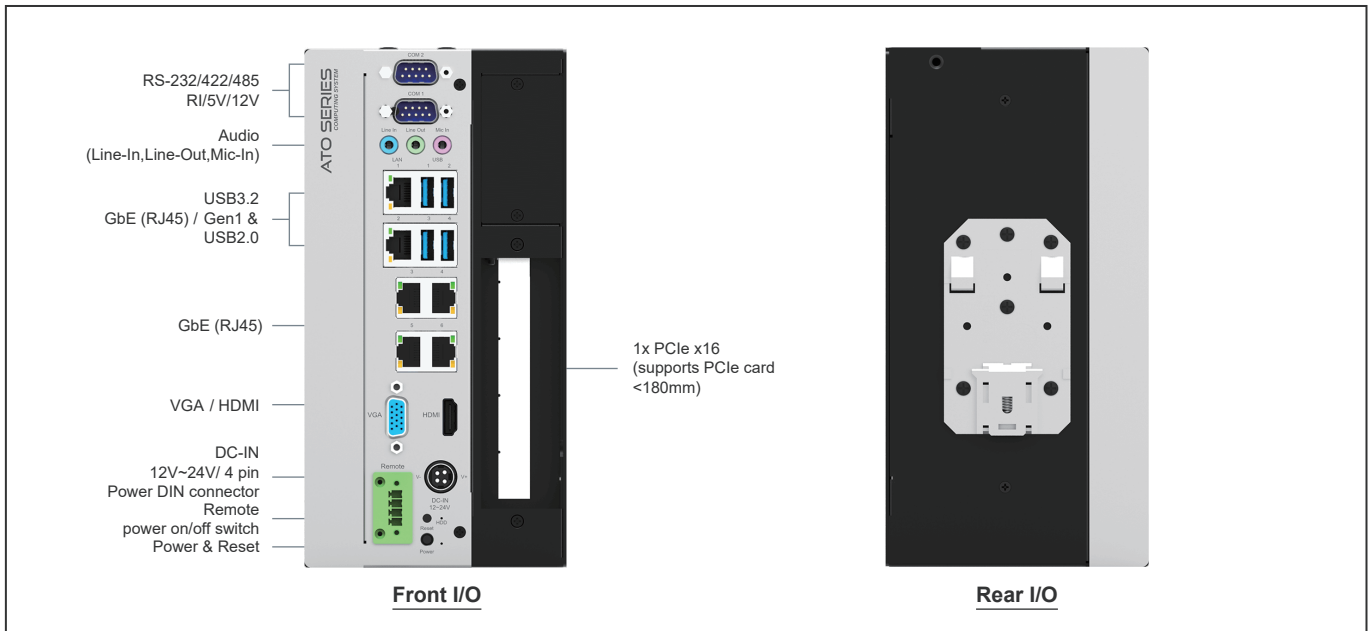
OS

OS Support	Windows 7 Windows 10 Linux
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Dimensions



I/O Interfaces



Ordering Information

Model Name	Description
ATO-H66B	7th/6th generation Core™ i7/i5/i3 & Celeron®, 1x PCIe x16

Optional Accessories

Item NO.	Description
1.	AC/DC Adapter 24V/90W / Min Din 4 Pin
2.	AC/DC Adapter 24V/120W / Min Din 4 Pin
3.	4GB DDR4/2400 MHz/SO-DIMM
4.	8GB DDR4/2400 MHz/SO-DIMM
5.	16GB DDR4/2400 MHz/SO-DIMM
6.	WiFi & Bluetooth Module with Antenna
7.	4 Pin Remote Control Terminal Block
8.	Din Rail Kit
9.	Window OS
10.	AC Power Cord

Packing List

Item NO.	Description
1.	ATO-H66B System x1
2.	Wall Mount Bracket x2
3.	Screw Package x1