

ATO-H666/H667

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 2x GbE, 2x COM, 4x USB and PCIe/PCI with 5 expansion slots

Key Features

- Intel® Kaby Lake/Skylake-S Core™ i7/i5/i3 processors
- Compact design
- 12V to 24V wide range DC power input
- 3x Video ports (1x HDMI,1x DP,1x VGA)
- 2x LAN ports (1x Gigabit/I219V,1x Gigabit/I211AT)
- 2x COM ports (2x RS232/422/485 & RI/5V/12V)
- 4x USB ports (2x USB 3.2 Gen1,2x USB 2.0)
- PCIe/PCI with 5 expansion slots:
 - H666: 1x PCIe x16 (supports 1 PCIe card with Triple slots height) & 2x PCI (supports up to 2 PCI card)
 - H667: 1x PCIe x16 (supports 1 PCIe x16 card) & 4x PCIe x1 (supports up to 4 PCIe card)
- 2x 2.5" (internal)HDD/SATA3(6Gb/s)
- 1x M.2 KEY M. 2242/2260/2280(SATA3(6Gb/s))

Introduction

ATO-H666/H667 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 2 LANs, 2 serial ports, and 4 USB (2x USB3.2 Gen1, 2x USB2.0), three independent display outputs (up to two can be displayed simultaneously), and two 2.5-inch hard drives. In addition, PCIe/PCI expansion slots (with a width of 5 slots) are provided separately, H666: 1 PCIe x16 three slot and 2 PCI slots, H667: 1 PCIe x16 slot and 4 PCIe x1 slots, which can support various types of PCIe cards with lengths less than 180mm. ATO-H666/H667 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-H666 ATO-H667	3	2	0	2	4	1x M.2 KEY M 2242/2280(SATA3(6Gb/s)) 2x 2.5" (internal)HDD/SATA3(6Gb/s)	H666: 1x PCIe x16 & 2x PCI H667: 1x PCIe x16 & 4x PCIe x1

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	190 x 198 x 215 (mm)
Weight	1.2Kg
Cooling	System Fan

EXTERNAL I/O

Display	3x Video Ports (1x HDMI/4096 x 2160@30Hz,1x DP/4096 x 2160@60Hz,1x VGA/1920 x 1200@60Hz)
Multipal Display	2 (Dual Display)
LAN	2x LAN Ports (1x Gigabit/I219V,1x Gigabit/I211AT)
COM	2x COM Ports (2x RS232/422/485 & RI/5V/12V)
USB	4x USB Ports (2x USB 3.2 Gen1,2x USB2.0)
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))
SATA HDD	2x 2.5" (internal) HDD/SATA3(6Gb/s)

EXPANSION

PCI/PCIe Express	H666: 1x PCIe x16 (supports 1 PCIe card with Triple slots height) & 2x PCI (supports up to 2 PCI card) H667: 1x PCIe x16 (supports 1 PCIe x16 card) & 4x PCIe x1 (supports up to 4 PCIe card)
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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%

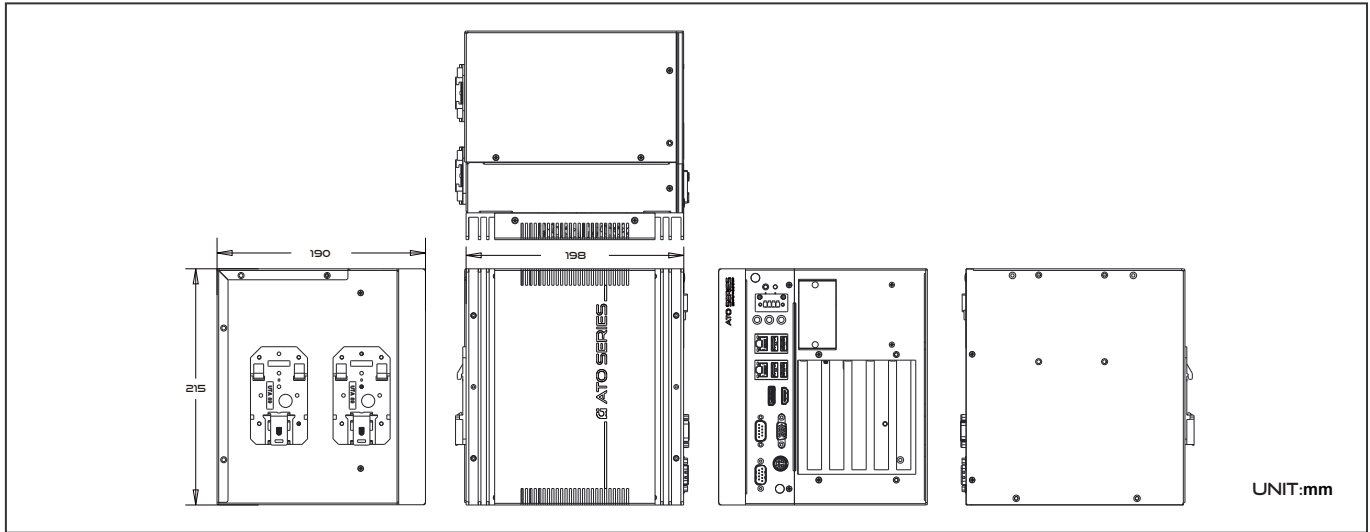
CERTIFICATION

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

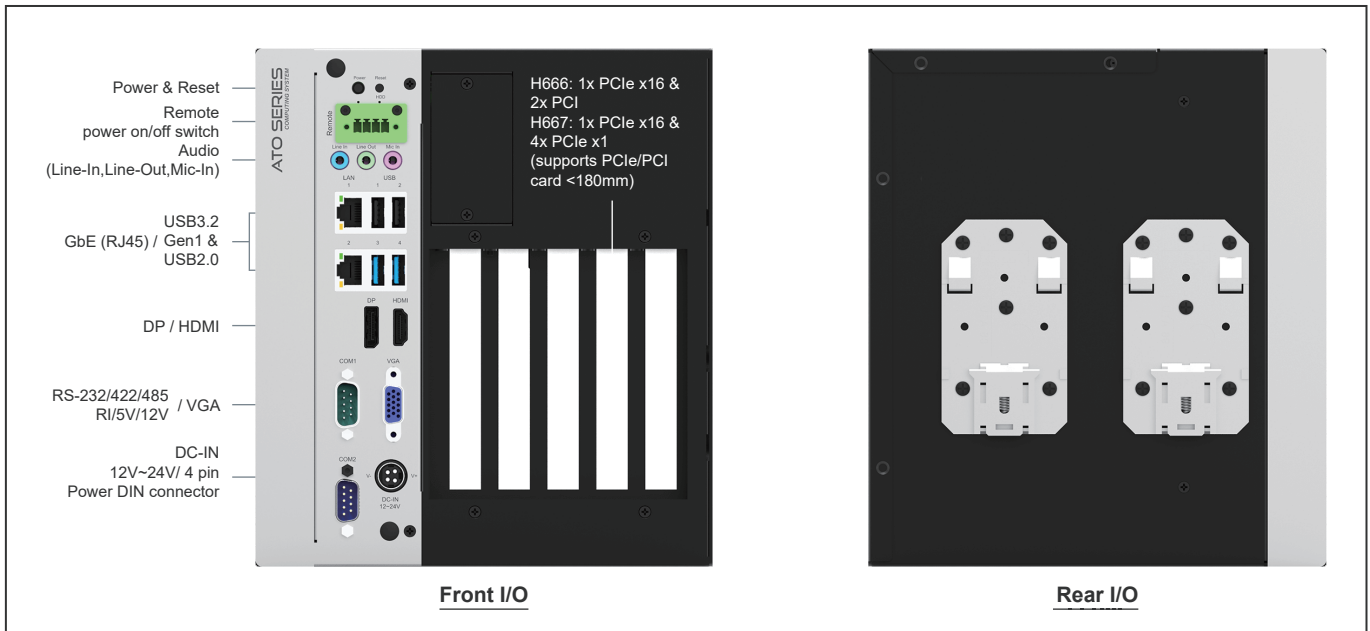
OS

OS Support	Windows 7 Windows 10 Linux
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Dimensions



I/O Interfaces



Ordering Information

Model Name	Description
ATO-H666	7th/6th generation Core™ i7/i5/i3 & Celeron®, 1x PCIe x16 & 2x PCI
ATO-H667	7th/6th generation Core™ i7/i5/i3 & Celeron®, 1x PCIe x16 & 4x PCIe x1

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-H666/H667 System x1
2.	Wall Mount Bracket x2
3.	Screw Package x1