VOT6-H681 SERIES
8/9th Gen Intel® Coffee Lake-S Core™ i7/i5/i3 Processors

8/9th-Gen Intel® Coffee Lake-S Core™ i7/i5/i3 compact computer with 6x GbE, 4x POE+, 4x USB, 16x iDI and 16x iDO

Key Features

- ◆ Intel® Coffee Lake-S Core™ i7/i5/i3 processors
- ◆ Compact design
- ◆ 9V to 36V wide range DC power input
- ◆ 3x Display ports (1x VGA,1x HDMI,1x DP)
- ◆ 6x LAN ports
  (1x Gigabit/I219V,1x Gigabit/I211AT,4x 2.5 Gigabit/I225LM)
- ◆ 4x LAN ports support POE/802.3 at (15.4W)
- ◆ 2x COM ports (2x RS232/422/485 & RI/5V/12V)
- ◆ 4x USB ports (4x USB 3.2 Gen1)
- ◆ 16x iDI,16x iDO
- ◆ 1x 2.5"(internal)HDD/SATA3(6Gb/s)

Introduction

VOT6-H681 is a compact rail mounted computer designed with efficient heat dissipation, allowing users to flexibly choose the 8th to 9th generation Intel with power specifications ranging from 35W to 65W ® Core ™ The i7/i5/i3 series processors support a wide voltage range of 9~36V to effectively protect the system from system instability caused by power surges. The rich interface configuration includes 6 LANs, 4 Gigabit Ethernet ports supporting IEEE 802.3at PoE+power supply, 2 serial ports, and 4 USB 3.2 Gen1, which can provide two independent display outputs. In addition, it is equipped with 16 isolated DIs, 16 isolated DOs, and 1 2.5-inch hard drive VOT6-H681 is a compact rail mounted computer that is very suitable for various industrial applications such as machine vision

System Specification

MODEL SERIES	DISPLAY	LAN	PoE	COM	USB	DIO	STORAGE	EXPANSION
VOT6-H681	3	6	4	2	4	16x iDI 16x iDO	1x M.2 KEY M 2242/2280(SATA3(6Gb/s)) 1x 2.5"(internal)HDD/SATA3(6Gb/s)	1x M.2 KEY E. 2230(PCIe x1/USB 2.0)

SYSTEM

CPU	8/9th Gen Intel® Core™ i7/i5/i3 processors
CPU(TDP)	65W
Chipset	H310
Graphics	Integrated Graphics Processor - Depends on CPU
BIOS	AMI SPI 256 Mbit
Watchdog Timer	256 Segments, 0,1,2,....255sec
TPM	Option

POWER

DC Input	12V/19V/24V
AC Input	NA
Power Interface	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	98 x 185.3 x 215 (mm)
Weight	1.3Kg
Cooling	CPU Fan

EXTERNAL I/O

Display	3x Display Ports (1x VGA/1920 x 1200 @60Hz, 1x HDMI/4096 x 2160@30Hz,1x DP/4096 x 2160@60Hz)
Multipal Display	2 (Dual Display)
LAN	6x LAN Ports (1x Gigabit/I219V,1x Gigabit/I211AT,4x 2.5Gigabit/I225LM)
POE Support	4x LAN Ports support POE/802.3 at (15.4 W)
COM	2x COM Ports (2x RS232/422/485 & RI/5V/12V)
USB	4x USB Ports (4x USB 3.2 Gen1)
DIO	16x iDI, 16x iDO
Audio	1x (Line-In,Line-Out,Mic-In)

MEMORY

Technology	Dual Channel DDR4
Frequency	2666/2400 MHz
Maximum Capacity	32GB (Max)
Socket	2x SO-DIMM socket
ECC	NA

STORAGE

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

EXPANSION

M.2	1x M.2 KEY E. 2230(PCIe x1/USB 2.0)

OTHER

USB Dongle(Internal)	1x
LED	(Power,HDD,LAN,POE)

ENVIRONMENT

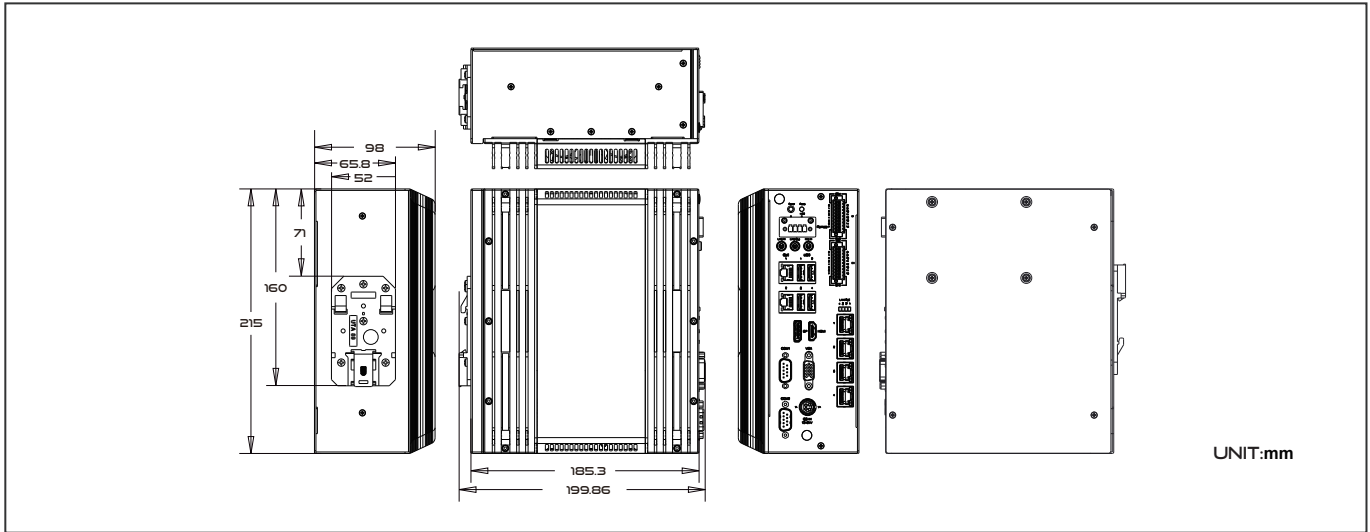|	
Storage Temp.	-40° to 85° C
Storage Humidity	0%~95%
Operating Temp.	-10° to 60° C
Operating Humidity	5%~95%

CERTIFICATION

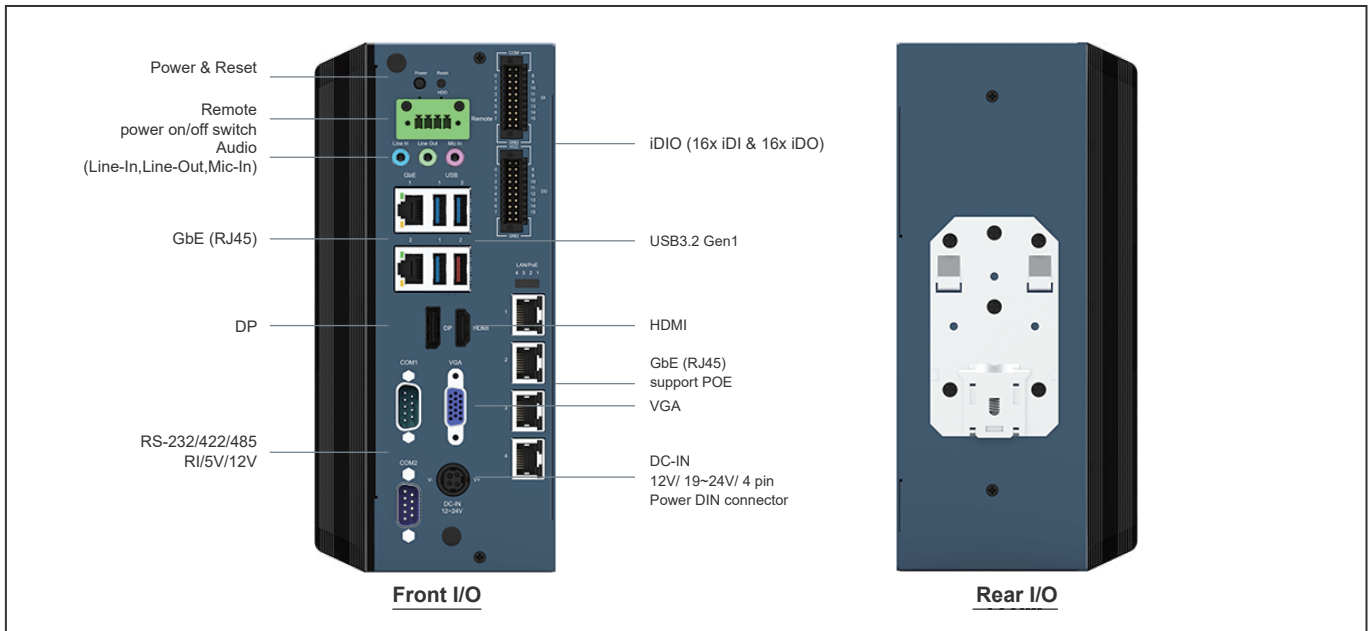|	
Shock	IEC60068-2-27 / 50G @ Half-sine, 11ms(with SSD)
Vibration	IEC60068-2-64 / 3 Grms, 5-500 Hz, 3 Axes(with SSD)
Certification	CE, FCC Class A

OS

OS Support	Windows 10 Linux

Dimensions

UNIT:mm

I/O Interfaces

Power & Reset

Remote power on/off switch

Audio (Line-In,Line-Out,Mic-In)

iDIO (16x iDI & 16x iDO)

GbE (RJ45)

USB3.2 Gen1

DP

HDMI

GbE (RJ45) support POE

VGA

RS-232/422/485 RI/5V/12V

DC-IN 12V/ 19~24V/ 4 pin Power DIN connector

Front I/O

Rear I/O

Ordering Information

Model Name	Description
VOT6-H6810	8/9th Gen Core™ i7/i5/i3 processor
VOT6-H6811	i7-9700E(8C/8T,2.6GHz up to 4.4GHz,12MB,65W)
VOT6-H6812	i5-9500E(6C/6T,3.0GHz up to 4.2GHz,9MB, 65W)
VOT6-H6813	i7-9700TE(8C/8T,1.8GHz up to 3.8GHz,12MB,35W)
VOT6-H6814	i5-9500TE(6C/6T,2.2GHz up to 3.6GHz, 9MB,35W)
VOT6-H6815	i7-8700(12C/12T,3.2GHz up to 4.6GHz,12MB,65W)
VOT6-H6816	i5-8500(6C/6T, 3.0GHz up to 4.1GHz,9MB,65W)
VOT6-H6817	i7-8700T(6C/12T,2.4GHz up to 4.0GHz,12MB,35W)
VOT6-H6818	I5-8500T(6C/6T,2.1GHz up to 3.5GHz,9MB,35W)
VOT6-H6819	i3-8100T(4C/4T,3.1GHz ,6MB,35W)

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.	8GB DDR4/2666 MHz/SO-DIMM
4.	16GB DDR4/2666 MHz/SO-DIMM
5.	WiFi & Bluetooth Module with Antenna
6.	4 Pin Remote Control Terminal Block
7.	Din Rail Kit
8.	Window OS
9.	10x2-Pin terminal block plug
10.	AC Power Cord

Packing List

Item NO.	Description
1.	VOT6-H681 System x1
2.	Wall Mount Bracket x2
3.	Screw Package x1

Note: All product specifications are subject to change without notice.