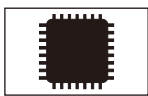
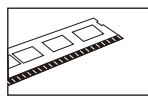


(All photos here are for reference only, Specifications are subject to the physical product.)



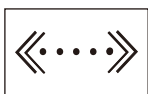
Intel® 11th Tiger Lake Core CPU



SODIMM DDR4



HDMI+VGA



Gigabit LAN

## Features

- Intel® 11th Tiger Lake Core CPU
- SODIMM DDR4
- Intel® HD Graphics Integrated graphic card
- HDMI+VGA Synch. or asynch. display
- 2 x Intel GbE LAN Rj45
- 4 x Rs232 TX/RX signal, 2 x Rs232/RS485
- 4 x USB3.0/2.0 Port, 4 x USB2.0 Pin-Header
- 1 x Mini PCIeX1, 1 x SATA, 1 x M-SATA
- Support 3G/4G communication module
- DC12V input

## Specifications

<b>Processor</b>	CPU	Intel® 11th Tiger Lake Core CPU
<b>Memory</b>	Architecture	Dual channel DDR4
	Capacity	Max. 32GB
	Socket	2 * DDR4 SODIMM
<b>Display</b>	Graphic Controller	Intel Integrated graphic card
	VGA	Max. resolution: 2K
	HDMI	Max. resolution: 4K
	Dual Display	HDMI+VGA Synch. or asynch. display
<b>Ethernet</b>	Controller	LAN 1: Intel I219 GbE LAN (POE optional) LAN 2: Intel I210 GbE LAN (POE optional)
	Controller	Support system temp. monitoring
<b>Super I/O</b>	Watch Dog Timer	0~255sec., providing Watch Dog program
	Controller	Realtek HD ALC662_VDO_GR audio decoder (right & left channel + MIC)
<b>Audio</b>	USB 3.0	4 x USB 3.0/2.0 PORT
	USB 2.0	4 x USB 2.0 PORT
	Serial Port	Com1 9-wire RS232 TX/RX signal, support 4000V surge protection, DB9 port Com2 3-wire RS232 TX/RX signal, support 4000V surge protection, DB9 port Com3-COM4 3-wire RS232/RS485(optional), RS232 TX/RX signal, support 4000V surge protection, RS485 support 3KV isolation protection, DB9 port COM5-COM6 3-wire RS232TX/RX signal, support 4000V surge protection, DB9 port COM7-COM10 RS232/485 optional (jumper setting), support 4000V surge protection
<b>I/O</b>	GPIO	1* Full-size Mini-PCIe slot, support PCIe & USB devices. Db15 male, 12bit, program available, freely-defined I/O, 3.3V@24mA
	Expansion Bus	Mini-PCIe 1* Full-size Mini-PCIe socket, support PCIe & USB device UIM Socket 3G UIM Card socket SATA 1* standard 7Pin SATA-III & power connector, transmission rate: max. 3Gb/s
<b>Storage</b>	M-SATA	1* full-size Mini-PCIe socket, support m-SATA SSD, transmission rate: max. 3Gb/s
	Power Type	AT/ATX(optional), DC9-30V extended voltage input, support power reverse & over-voltage protection.
<b>Power</b>	Power Consumption	Support max. 50W
	Other	POWER LED/HDD LED POWER BUTTOM
<b>Environment</b>	Operating Temp.	0°C ~ 60°C
	Storage Temp.	-40°C ~ 80°C
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
<b>Formfactor</b>	Dimensions	215 x 136 x 60mm
	Weight	~
<b>Certificate</b>		FCC, CE, RoHS

## Ordering Information

### NIS-T991HV-CL-6305

Intel® Celeron 6305 CPU, 1.8GHz, dual core dual thread, SODIMM DDR4, Intel® HD Graphics Integrated graphic card, HDMI+VGA Synch. or asynch. display, 2 x Intel GbE LAN Rj45, 4 x Rs232 TX/RX signal, 2 x Rs232/RS485, 4 x USB3.0/2.0 Port, 4 x USB2.0 Pin-Header, 1 x Mini PCIeX1, 1 x SATA, 1 x M-SATA, Support 3G/4G communication module, DC12V input

### NIS-T991HV-I3-1115G4

Intel® 11th core i3 1115G4 CPU, 3.0GHz, dual core four thread, SODIMM DDR4, Intel® HD Graphics Integrated graphic card, HDMI+VGA Synch. or asynch. display, 2 x Intel GbE LAN Rj45, 4 x Rs232 TX/RX signal, 2 x Rs232/RS485, 4 x USB3.0/2.0 Port, 4 x USB2.0 Pin-Header, 1 x Mini PCIeX1, 1 x SATA, 1 x M-SATA, Support 3G/4G communication module, DC12V input

### NIS-T991HV-I5-1135G7

Intel® 11th core i5 1135G7 CPU, 2.4GHz, four core eight thread, SODIMM DDR4, Intel® HD Graphics Integrated graphic card, HDMI+VGA Synch. or asynch. display, 2 x Intel GbE LAN Rj45, 4 x Rs232 TX/RX signal, 2 x Rs232/RS485, 4 x USB3.0/2.0 Port, 4 x USB2.0 Pin-Header, 1 x Mini PCIeX1, 1 x SATA, 1 x M-SATA, Support 3G/4G communication module, DC12V input

### NIS-T991HV-I7-1165G7

Intel® 11th core i7 1165G7 CPU, 2.8GHz, four core eight thread, SODIMM DDR4, Intel® HD Graphics Integrated graphic card, HDMI+VGA Synch. or asynch. display, 2 x Intel GbE LAN Rj45, 4 x Rs232 TX/RX signal, 2 x Rs232/RS485, 4 x USB3.0/2.0 Port, 4 x USB2.0 Pin-Header, 1 x Mini PCIeX1, 1 x SATA, 1 x M-SATA, Support 3G/4G communication module, DC12V input

