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Focus on Industrial Computer Hardware

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Automation and Machine Vision Industy

Industrial Computer Catalog

- Intergrated I/O, PoE Gigabit LAN, Light source control
- Make the system less complex and cost down

NP-6111 SERIES

Feature

LAN
2×Intel® Gigabit ports
Support EtherCAT and jumbo frames.

USB
4×USB;
1×USB2.0 Type A onboard for dongle

COM
2×RS232/RS485, RS485 support auto flow control,
ESD protection for RS232.

miniPCIe
1×miniPCIe slot for Wifi, 3G/4G

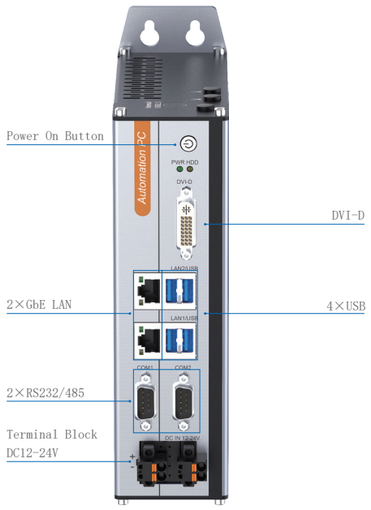
Option different I/O ports and accept customized
Option different I/O board and ports
Esay to change customized logo.

Wide voltage power supply: DC12V~24V
DC12V power input, optional DC24V, with surge power,
over voltage and reverse polarity protection,
with phoenix terminal contact.

Extremely space-saving and flexible
book style, wall mounted, din rail mounted
extremely space-saving design.

Perfect cooling system design
Fully enclosed structure, fanless, cable-free design
Working temperature: -20℃~60℃

I/O Port



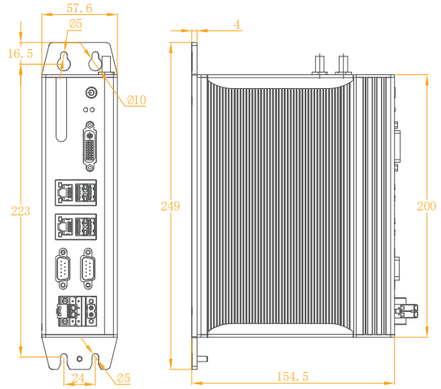
miniPCIe Expansion Slot

Internal USB2.0 for USB Dongle

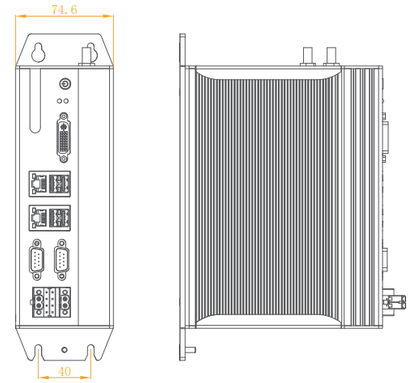
Easy to switch RS232/485

Costomized Logo

Dimensions



BASIC (Unit: mm)



EXPANSION (Unit: mm)

Specifications

Model Name		NP-6111
System	CPU	Intel® Celeron® J1900 / J6412 Intel® Corei3-N305/N97 8 Cores, 8 Threads, 6M Cache, up to 3.8GHz
	CPU Specifications	2.0GHz, 4cores, 4threads, 2MB L2cache / 1.5GHz, 4cores, 2MB L2cache 2.0-2.6GHz, 4cores, 4threads, 1.5MB L2cache / 1.91GHz, 4threads, 2MB L2cache
	TDP	J1900/J6412:10W N305:15W N97:12W
	BIOS	AMI UEFI
	Memory	J1900: 1×SO-DIMM DDR3L-1333MHz, (Max.8GB) / J6412: 1×SO-DIMM DDR4-2400MHz(Max.16GB)
	Storage	1×mSATA bay
I/O	USB	4×USB, 1×USB2.0 Type A on the board for USB dongle
	COM	2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232
	Ethernet	2×Intel GbE LAN controller
Display	DVI-D	Support up to 1920×1080@GHz
Expansions	Expansions	1×Full-size PCIe Mini slot with SIM card holder(with USB signal)
Other	Watch Dog	1~255 levels programmable
OS	Windows	Windows 10 IoT
	Linux	Ubuntu, CentOS, Debian
Power	Voltage Input	DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection, (Must be DC24V when using Light Control)
	Power Consumption	45~120W
Chassis	Structure	Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail
	Dimensions(L×W×H)	Basic:200mm×154.5mm×57.6mm/Expansion:200mm×154.5mm×74.6mm
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)
	Storage Temperature	-40°C ~ 80°C (-40°F~176°F) with air flow (SSD)
	Relative Humidity	5~95%(Non-condensing)
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27
	EMC	CE/FCC Class A

NP-6111 SERIES

Machine Vision application

NP-6111-JH2

Extension Interface

- 2×Intel® GbE PoE LAN, max. 15w per channel
- 4×PWM light control support external trigger input
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

Smart Gateway application

NP-6111-JH4

Extension Interface

- 8×RS485, RS485 support auto flow control, there are two status leds for data sending and receiving in each channel, 120 oml terminal resistor can be turned on or off by the switch.
- 8×DI NPN/PNP, isolated 3750 Vrms
- 4×Relay DO (NO.)

Machine Vision application

NP-6111-JH2B

Extension Interface

- 2×Intel® GbE PoE LAN, max. 15w per channel
- 16×DI NPN/PNP, isolated 2500 Vrms
- 16×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

AGV and Service robots application

NP-6111-CAN2

Extension Interface

- 2×CAN Bus 2.0 A/B

Machine Vision application

NP-6111-JH3

Extension Interface

- 4×USB2.0
- 2×RS232/485, RS485 support auto flow control
- 2×CAN2.0A/B(selectable)
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

Automation Control application

NP-6111-L2

Extension Interface

- 2xIntel® GbE PoE LAN

NP-6111 SERIES

Automation Control application

NP-6111-JH5

Extension Interface

- 1xIntel® GbE PoE LAN
- 8xRS485
- 2xCAN(optional)
- 16xDI/DO
- 8xRelay DO (NO.)

Ordering Infomation

Product Code	Configuration
NP-6111-J1900	CPU:J1900, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 1×USB3.0, 3×USB2.0, DVI-D, DC12~24V Power input
NP-6111-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, DC12~24V Power input
NP-6111-N97	CPU:N97, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, DC12~24V Power input
NP-6111-N305	CPU:N305, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, DC12~24V Power input
NP-6111-JH2-J1900	CPU:J1900, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 1×USB3.0, 3×USB2.0, DVI-D, 2×PoE LAN, 8×DI, 8×DO, 4×PWM output, DC12~24V Power input(Must be DC24V when using Light Control)
NP-6111-JH2-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 2×PoE LAN, 8×DI, 8×DO, 4×PWM output, DC12~24V Power input(Must be DC24V when using Light Control)
NP-6111-JH2-N97	CPU:N97, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 2×PoE LAN, 8×DI, 8×DO, 4×PWM output, DC12~24V Power input(Must be DC24V when using Light Control)
NP-6111-JH2-N305	CPU:N305, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 2×PoE LAN, 8×DI, 8×DO, 4×PWM output, DC12~24V Power input(Must be DC24V when using Light Control)
NP-6111-JH2B-J1900	CPU:J1900 RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 1×USB3.0, 3×USB2.0, DVI-D, 2×PoE LAN, 16×DI, 16×DO, DC12~24V Power input
NP-6111-JH2B-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 2×PoE LAN, 16×DI, 16×DO, DC12~24V Power input
NP-6111-JH2B-N97	CPU:N97, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 2×PoE LAN, 16×DI, 16×DO, DC12~24V Power input
NP-6111-JH2B-N305	CPU:N305, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 2×PoE LAN, 16×DI, 16×DO, DC12~24V Power input
NP-6111-JH3-J1900	CPU:J1900, RAM:NULL, mSATA:NULL, 4×COM(RS232/485 selectable), 2×LAN, 1×USB3.0, 7×USB2.0, DVI-D, 8×DI, 8×DO, DC12~24V Power input
NP-6111-JH3-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 4×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 6×USB2.0, DVI-D, 8×DI, 8×DO, DC12~24V Power input
NP-6111-JH3-N97	CPU:N97, RAM:NULL, mSATA:NULL, 4×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 6×USB2.0, DVI-D, 8×DI, 8×DO, DC12~24V Power input
NP-6111-JH3-N305	CPU:N305, RAM:NULL, mSATA:NULL, 4×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 6×USB2.0, DVI-D, 8×DI, 8×DO, DC12~24V Power input
NP-6111-JH4-J1900	CPU:J1900, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 8×RS485(Phoenix connectors), 2×LAN, 1×USB3.0, 3×USB2.0, DVI-D, 8×DI, 4× Relay output, DC12~24V Power input
NP-6111-JH4-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 8×RS485(Phoenix connectors), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 8×DI, 4× Relay output, DC12~24V Power input
NP-6111-JH4-N97	CPU:N97, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 8×RS485(Phoenix connectors), 2×LAN, 2×USB3.0, 2×USB2.0, DVI-D, 8×DI, 4× Relay output, DC12~24V Power input
NP-6111-JH4-N305	CPU:N305, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 8×RS485(Phoenix connectors), 2×LAN, 2×USB3.0, 3×USB2.0, DVI-D, 8×DI, 4× Relay output, DC12~24V Power input
NP-6111-CAN2-J1900	CPU:J1900, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 1×USB3.0, 3×USB2.0, 2×CAN A/B, DVI-D, DC12~24V Power input
NP-6111-CAN2-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 1×USB3.0, 3×USB2.0, 2×CAN A/B, DVI-D, DC12~24V Power input
NP-6111-CAN2-N97	CPU:N97, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, 2×CAN A/B, DVI-D, DC12~24V Power input
NP-6111-CAN2-N305	CPU:N305, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 2×LAN, 2×USB3.0, 2×USB2.0, 2×CAN A/B, DVI-D, DC12~24V Power input
NP-6111-L2-J1900	CPU:J1900, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 4×LAN, 1×USB3.0, 3×USB2.0, DVI-D, DC12~24V Power input
NP-6111-L2-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 4×LAN, 2×USB3.0, 2×USB2.0, DVI-D, DC12~24V Power input
NP-6111-L2-N97	CPU:N97, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 4×LAN, 2×USB3.0, 2×USB2.0, DVI-D, DC12~24V Power input
NP-6111-L2-N305	CPU:N305, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 4×LAN, 2×USB3.0, 2×USB2.0, DVI-D, DC12~24V Power input
NP-6111-JH5-J1900	CPU:J1900, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 1×LAN, 1×USB3.0, 3×USB2.0, 2×CAN A/B,DVI-D, 16xDI/DO,DC12~24V Power input
NP-6111-JH5-J6412	CPU:J6412, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 1×LAN, 2×USB3.0, 2×USB2.0, 2×CAN A/B,DVI-D, 16xDI/DO,DC12~24V Power input
NP-6111-JH5-N97	CPU:N97, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 1×LAN, 2×USB3.0, 2×USB2.0, 2×CAN A/B,DVI-D, D16xDI/DO,C12~24V Power input
NP-6111-JH5-N305	CPU:N305, RAM:NULL, mSATA:NULL, 2×COM(RS232/485 selectable), 1×LAN, 2×USB3.0, 2×USB2.0, 2×CAN A/B,DVI-D, 16xDI/DO,DC12~24V Power input

Option items

Parts	Description
DDR3L Memory	DDR3L-1333MHz: 4GB, 8GB
DDR4 Memory	DDR4-2400MHz: 4GB, 8GB, 16GB
DDR5 Memory	DDR5-4800MHz: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
Wifi Set	miniPCIE WIFI Set (7260 series) ,Cylindrical antenna
3G/4GModule	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail, Wall-mounted

NP-6113 SERIES

Feature

LAN
2×Intel® Gigabit ports
1×RTL8111H Gigabit ports

USB
2×USB3.0, 2×USB2.0,
1×USB2.0 Type A onboard for dongle

COM
1×RS232/RS485, RS485 support auto flow control,
1×RS232

miniPCIe
1×miniPCIe slot for Wifi, 3G/4G

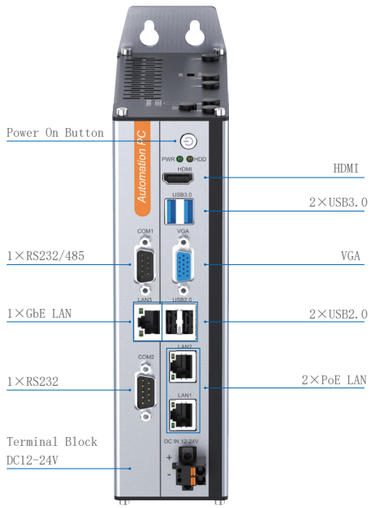
Display
VGA and HDMI display port

Wide voltage power supply: DC12V~24V
DC12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Option different I/O ports and accept customized
Option different I/O board and ports
Esay to change customized logo.

Perfect cooling system design
Fully enclosed structure, fanless, cable-free design.
Working temperature: -20℃~60℃

I/O Port



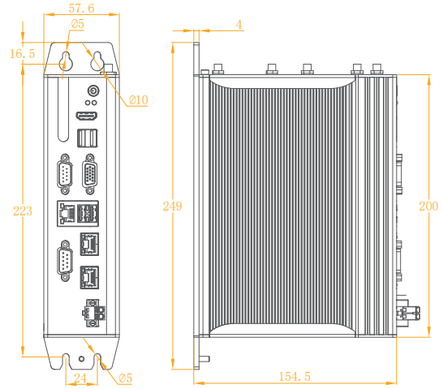
miniPCIe Expansion Slot

Internal USB2.0 for USB Dongle

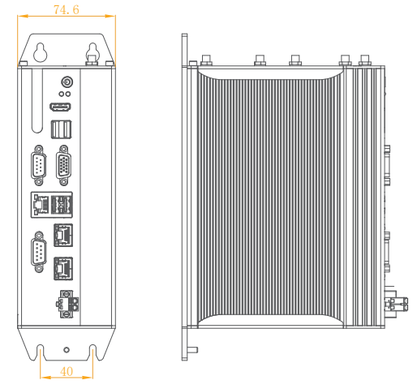
Easy to switch RS232/485

Costomized Logo

Dimensions



BASIC (Unit: mm)



EXPANSION (Unit: mm)

Specifications

Model Name		NP-6113
System	CPU	Intel® Celeron® J6412, Intel®Core i3-N305/N97
	TDP	J6412:10W/N305:15W/N97:12W
	BIOS	AMI UEFI BIOS
	Memory	J6412:1×SO-DIMM DDR4-2400MHz(Max. 32GB) N305/N97:×SO-DIMM DDR5-4800MHz(Max. 16GB)
	Storage	1×mSATA bay
I/O	USB	2×USB3.0, 2×USB2.0, 1×USB2.0 Type A on the board for USB dongle
	COM	1×RS232/485, selectable to support RS232 or RS485 mode by the switch, 1×RS232
	PoE	2×Intel GbE LAN controller(Max.15W)
	Ethernet	1×Intel (i210-AT) GbE LAN controller
Display	VGA	Support up to 1920×1080 @60Hz
	HDMI	Support up to 3840×2160 @60Hz
Expansions	Expansions	2×Full-size PCIe Mini slot with SIM card holder(with USB signal)
Other	Watch Dog	1~255 levels programmable
	Remote ON-OFF	1×Remote ON-OFF
OS	Windows	Windows 10 IoT
	Linux	Ubuntu, CentOS, Debian
Power	Voltage Input	DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection (Must be DC24V when using Light Control)
	Power Consumption	90~120W
Chassis	Structure	Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail
	Dimensions(L×W×H)	Basic: 200mm×154.5mm×57.6mm/Expansion: 200mm×154.5mm×74.6mm
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)
	Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F) with air flow (SSD)
	Relative Humidity	5~95%(Non-condensing)
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27
	EMC	CE/FCC Class A

NP-6113 SERIES

Machine Vision application

NP-6113-MVS

Extension Interface

- 4×PWM light control
- 8×DI, isolated 3750Vrms
- 8×DO, Transistor output, Imax:0.5A per channel, isolated3750Vrms

Machine Vision and Automation Control application

NP-6113-16I160/NP-6113-16I160-U

Extension Interface

- 16×DI NPN/PNP, isolated 3750Vrms
- 16×DO (NPN/PNP mode by the switch), Imax:0.5A per channel, isolated 3750Vrms
- UPS(NP-6113-16I16O-U)

Machine Vision and Automation Control application

NP-6113-MVS-L4

Extension Interface

- 8×DI NPN/PNP, isolated 3750Vrms
- 8×DO (NPN/PNP mode by the switch), Imax:0.5A per channel, isolated 3750Vrms
- 4×Intel® Gigabit ports
- 1xRS485

Machine Vision application

NP-6113-U

Extension Interface

- UPS

Ordering Infomation

Product Code	Description
NP-6113-J6412	CPU:J6412 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232, 2×PoE LAN, 1×LAN, 2×USB3.0, 2×USB2.0, VGA/HDMI display port, DC12~24V Power input
NP-6113-N305	CPU:N305 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232, 2×PoE LAN, 1×LAN, 2×USB3.0, 2×USB2.0, VGA/HDMI display port, DC12~24V Power input
NP-6113-N97	CPU:N97 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232, 2×PoE LAN, 1×LAN, 2×USB3.0, 2×USB2.0, VGA/HDMI display port, DC12~24V Power input
NP-6113-MVS-L4-J6412	CPU:J6412 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232,1×RS485, 2×PoE LAN, 5×LAN, 2×USB3.0, 2×USB2.0, 8×DI, 8×DO, 4×PWM output, VGA/HDMI display port, DC12-24V Power input(Must be DC24V when using Light Control)
NP-6113-MVS-L4-N305	CPU:N305 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232,1×RS485 2×PoE LAN, 5×LAN, 2×USB3.0, 2×USB2.0, 8×DI, 8×DO, 4×PWM output, VGA/HDMI display port, DC12-24V Power input(Must be DC24V when using Light Control)
NP-6113-MVS-L4-N97	CPU:N97 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232, 1×RS485,2×PoE LAN, 5×LAN, 2×USB3.0, 2×USB2.0, 8×DI, 8×DO, 4×PWM output, VGA/HDMI display port, DC12-24V Power input(Must be DC24V when using Light Control)
NP-6113-16I16O-J6412	CPU:J6412 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232, 2×PoE LAN, 1×LAN, 2×USB3.0, 2×USB2.0, 16×DI, 16×DO, VGA/HDMI display port, DC12~24V Power input
NP-6113-16I16O-N305	CPU:N305,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232, 2×PoE LAN, 1×LAN, 2×USB3.0, 2×USB2.0, 16×DI, 16×DO, VGA/HDMI display port, DC12~24V Power input
NP-6113-16I16O-N97	CPU:N97 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS232, 2×PoE LAN, 1×LAN, 2×USB3.0, 2×USB2.0, 16×DI, 16×DO, VGA/HDMI display port, DC12~24V Power input
NP-6113-L4-J6412	CPU:J6412 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS485, 8× LAN, 4×USB3.0 , 8×DI, 8×DO, VGA/HDMI display port, DC12~24V Power input
NP-6113-L4-N305	CPU:N305 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS485, 8× LAN, 4×USB3.0 , 8×DI, 8×DO, VGA/HDMI display port, DC12~24V Power input
NP-6113-L4-N97	CPU:N97 ,RAM:NULL, mSATA:NULL, 1×RS232/485, 1×RS485, 8× LAN, 4×USB3.0 , 8×DI, 8×DO, VGA/HDMI display port, DC12~24V Power input

Option items

Parts	Description
DDR4 Memory	DDR4-2400MHz: 4GB, 8GB, 16GB, 32GB
DDR5 Memory	DDR5-4800MHz: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
Wifi Set	miniPCIE WIFI Set (7260 series) ,Cylindrical antenna
3G/4G Module	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail, Wall-mounted

NP-6122/6132 SERIES

Feature

LAN
2×Intel® Gigabit ports
Support EtherCAT and jumbo frames

USB
4×USB3.0
1×USB2.0 Type A onboard for dongle

COM
2×RS232/RS485, RS485 support auto flow control

Display
DVI-D and HDMI display port

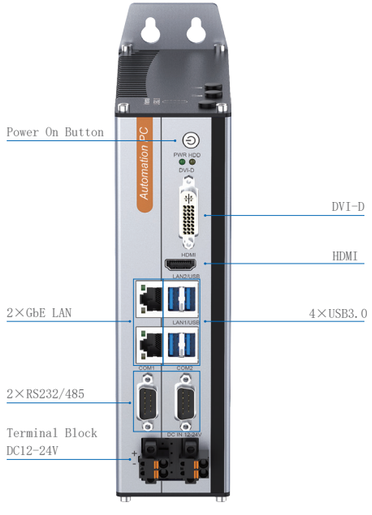
miniPCIe
1×miniPCIe slot for Wifi, 3G/4G

Wide voltage power supply: DC12V~24V
DC12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Option different I/O ports and accept customized
Option different I/O board and ports
Esay to change customized logo

Perfect cooling system design
Fully enclosed structure, seperately space for fan cooling system, cable-free design
Working temperature: -20℃~60℃

I/O Port



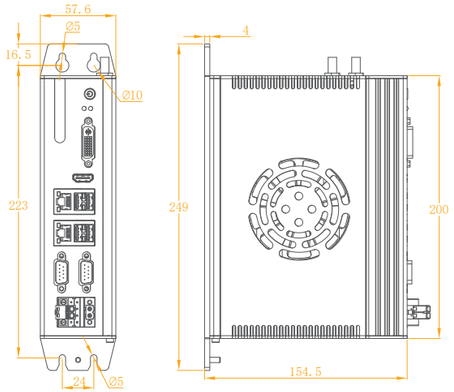
miniPCIe Expansion Slot

Internal USB2.0 for Dongle

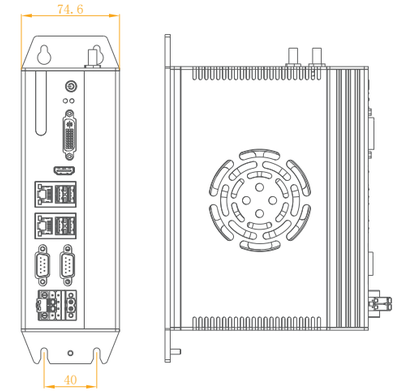
Easy to switch RS232/485

Costomized Logo

Dimensions



BASIC (Unit: mm)



EXPANSION (Unit: mm)

Specifications

Model Name		NP-6122	NP-6132
System	CPU	Intel® Core™ 6/7/8/9th Gen. i7/i5/i3/Pentium® /Celeron® LGA1151 type CPU	Intel® Core™ 10/11th Gen. i9/ i7/i5/i3 LGA1200 type CPU
	TDP	Max. 65W	
	BIOS	AMI UEFI BIOS	
	Memory	2×SO-DIMM DDR4-2400MHz, max up to 32GB	
	Storage	1×mSATA bay, 1×M.2(B Key, Type 2280) bay support SATA	
I/O	USB	4×USB3.0, 1×USB2.0 Type A on the board for USB dongle	
	COM	2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	
	Ethernet	2×Intel (i210-AT)GbE LAN controller	
Display	DVI-D	Support up to 1920×1080@60Hz	
	HDMI	Support up to 3840×2160@60Hz	
Expansions	Expansions	1× Full-size PCIe Mini slot with SIM card holder(with USB signal)	
Other	Watch Dog	1~255 levels programmable	
OS	Windows	Windows 10 IoT	
	Linux	Ubuntu, CentOS, Debian	
Power	Voltage Input	DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection, (Must be DC24V when using Light Control	
	Power Consumption	120~250W	
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail fixing style	
	Dimensions(L×W×H)	Basic:200mm×154.5mm×57.6mm/Expansion:200mm×154.5mm×74.6mm	
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-40°C ~ 80°C (-40°F~176°F) with air flow (SSD)	
	Relative Humidity	5~95%(Non-condensing)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class A	

NP-6122/6132 SERIES

Machine Vision application

NP-6122-H1 & NP-6132-H1

Extension Interface

- 4×Intel® GbE PoE LAN, max. 15w per channel
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 4×PWM Light power control with external trigger input, Imax: 1A per channel

Automatic Sorting System Based on Machine Vision

NP-6122-JH2B & NP-6132-JH2B

Extension Interface

- 2×Intel® GbE PoE LAN, max. 15w per channel
- 16×DI NPN/PNP, isolated 2500Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

Automatic Sorting System Based on Machine Vision

NP-6122-H1B & NP-6132-H1B

Extension Interface

- 4×Intel® GbE PoE LAN, max. 15w per channel
- 16×DI NPN/PNP, isolated 2500Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

AGV and Service robots application

NP-6122-JH3 & NP-6132-JH3

Extension Interface

- 4×USB2.0
- 2×RS232/485, RS485 support auto flow control
- 2×CAN Bus 2.0A/B, 1 x DB9(Female)
- 8×DI NPN/PNP, isolated 2500Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

Machine Vision application

NP-6122-JH2 & NP-6132-JH2

Extension Interface

- 2×Intel® GbE PoE LAN, max. 15w per channel
- 8×DI NPN/PNP, isolated 2500Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 4×PWM Light power control with external trigger input, Imax: 1A per channel

Intelligent Gateway Industry application

NP-6122-JH4 & NP-6132-JH4

Extension Interface

- 8×RS485, RS485 support auto flow control, there are two status leds for data sending and receiving in each channel, 120oml terminal resistor can be turned on or off by the switch.
- 8×DI NPN/PNP, isolated 2500Vrms
- 4×Relay DO(Normally Open)

NP-6122/6132 SERIES

Guidance and Positioning Based on Machine Vision
NP-6122-8PoE & NP-6132-8PoE

Extension Interface

- 8×Intel® GbE PoE LAN controller, max. 15W per channel

Automatic Sorting System Based on Machine Vision
NP-6122-H1BP & NP-6132-H1BP

Extension Interface

- 4×Intel® GbE PoE LAN, max. 15w per channel
- 16×DI NPN/PNP, isolated 2500Vrms/ isolated 3750 Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms/ isolated 3750 Vrms

AGV and Service robots application
NP-6122-CAN2 & NP-6132-CAN2

Extension Interface

- 2×CAN Bus 2.0 A/B

Machine Vision application
NP-6122-H7B & NP-6132-H1-H7B

Extension Interface

- 4 x USB3.0
- 8 x DI NPN/PNP
- 8 x DO, transistorized output, Imax: 0.5A
- 4 x Light PWM Control, 4 x Light External Trigger, Light independently powered DC24V, Imax: 1A per channel

Automation Control application
NP-6122-L2 & NP-6132-L2

Extension Interface

- 2×Intel® Gigabit ports

Machine Vision application
NP-6122-H7B & NP-6132-H7B

Extension Interface

- 4×USB3.0
- 16×DI NPN/PNP, isolated 2500 Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

NP-6122/6132 SERIES

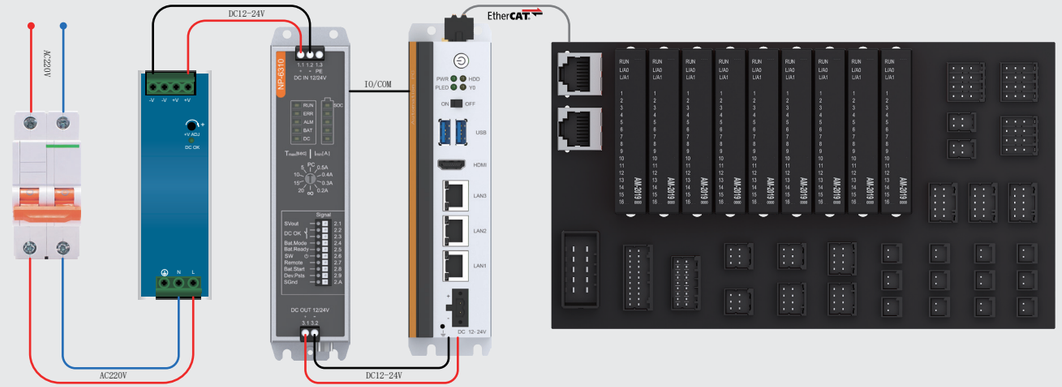
Ordering Infomation

Product Code	Configuration
NP-61X2	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, DVI-D/HDMI, DC12~24V Power input
NP-61X2-H1	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, DVI-D/HDMI, 8×DI, 8×DO, 4×PWM Light control, 4× External trigger input, 4×PoE LAN, DC12~24V Power input(must be DC24V input when using Light control)
NP-61X2-H1B	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, DVI-D/HDMI, 16×DI, 16×DO, 4×PoE LAN, DC12~24V Power input
NP-61X2-JH2	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, DVI-D/HDMI, 8×DI, 8×DO, 4×PWM Light control, 4× External trigger input, 2×PoE LAN, DC12~24V Power input(must be DC24V input when using Light control)
NP-61X2-JH2B	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, DVI-D/HDMI, 16×DI, 16×DO, 2×PoE LAN, DC12~24V Power input
NP-61X2-JH3	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 4×RS232/485(selectable), 2×LAN, 4×USB3.0, 4×USB2.0, DVI-D/HDMI, 8×DI, 8×DO, DC12~24V Power input
NP-61X2-JH3-Audio	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 4×RS232/485(selectable), 2×LAN, 4×USB3.0, 4×USB2.0, DVI-D/HDMI, 8×DI, 8×DO, 1×Lineout, DC12~24V Power input
NP-61X2-JH4	CPU:NULL,RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 8×RS485, 2×LAN, 4×USB3.0, DVI-D/HDMI, 8×DI, 4×Relay DO, DC12~24V Power input
NP-61X2-8POE	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, DVI-D/HDMI, 8×PoE LAN, DC12~24V Power input
NP-61X2-CAN2	CPU: NULL, RAM: NULL, mSATA: NULL, M.2 SATA: NULL, 2 x RS232/485 (Selectable), 2 x LAN, 4 x USB3.0, 2 x CAN 2.0 A/B, DVI-D/HDMI display port, DC12~24V Power input
NP-61X2-L2	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 4×LAN, 4×USB3.0, DVI-D/HDMI, DC12~24V Power input
NP-61X2-H1BP	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, DVI-D/HDMI, 16×DI, 16×DO, 4×PoE LAN, DC12~24V Power input
NP-61X2-H7	CPU: NULL, RAM: NULL, mSATA: NULL, M.2 SATA: NULL, 2 x RS232/485 (Selectable), 2 x LAN, 8 x USB3.0, DVI-D/HDMI display, 8 x DI, 8 x DO, 4 x Light PWM Control, 4 x Light External Trigger, Light independently powered DC24V, DC12~24V power input
NP-61X2-H7B	CPU: NULL, RAM: NULL, mSATA: NULL, M.2 SATA: NULL, 2 x RS232/485 (Selectable), 2 x LAN, 8 x USB3.0, DVI-D/HDMI display, 16x DI, 16 x DO, , DC12~24V power input

Option items

Parts	Description
CPU:NP-6122	Intel® Pentium®: G3900,G4400 Intel® Core™ Skylake: i3-6100, i3-6100T,i 5-6400, i5-6400T, i5-6500, i5-6500T, i7-6700, i7-6700T Intel® Core™ Kaby Lake: i3-7100, i5-7400, i5-7500, i7-7700, i7-7700T Intel® Core™ Coffee Lake: i3-8100, i5-8400, i5-8500, i7-8700
CPU:NP-6132	Intel® Core™ Comet lake: i3-10100T, i3-10100, i3-10105T, i3-10105, i5-10400T, i5-10400, i5-10500 …… Intel® Core™ Rocket lake: i5-11400T, i5-11500T, i5-11600T, i5-11400, i5-11500, i5-11600 ……
DDR4 Memory	DDR4-2400MHz: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
M.2 SATA SSD	128GB, 256GB, 512GB, 1TB, 2TB
Wifi Set	miniPCIE WIFI Set (7260 series) ,Cylindrical antenna
3G/4G Module	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail, Wall-mounted

Industrial PC Solution for Automation Control



Product Feature:

1. NP Series Automation PC-Design for controller application.
2. UPS NP-6310 - Keep your system and data safe.
3. EtherCAT IO - Greater flexibility and Cut installation times by 95%.

NP-6123/6133 SERIES

Feature

LAN
4×Intel® Gigabit ports
Support EtherCAT and jumbo frames

USB
4×USB3.0
1×USB2.0 Type A onboard for dongle

COM
1×RS232/RS485, RS485 support auto flow control

Display
VGA and HDMI display port

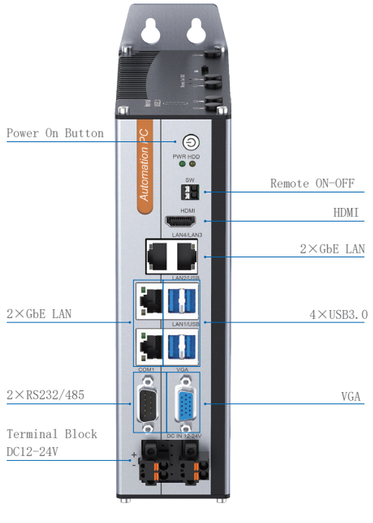
miniPCIe
2×miniPCIe slot for Wifi, 3G/4G/5G, LAN

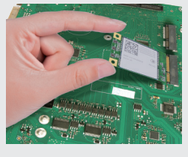
Wide voltage power supply: DC12V~24V
DC12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Option different I/O ports and accept customized
Option different I/O board and ports
Esay to change customized logo

Perfect cooling system design
Fully enclosed structure, seperately space for fan cooling system, cable-free design
Working temperature: -20℃~60℃

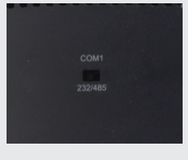
I/O Port





miniPCIe Expansion Slot

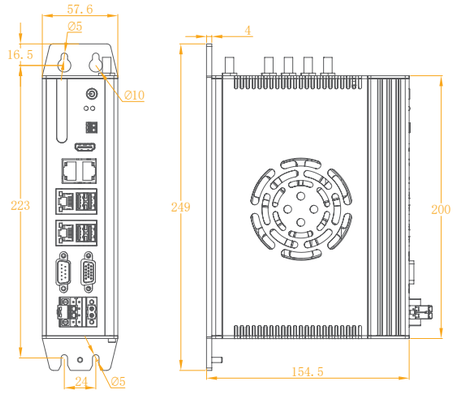
Internal USB2.0 for USB Dongle



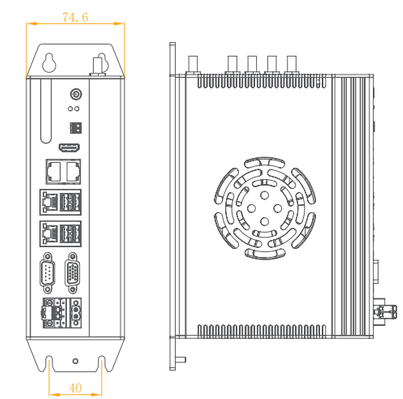
Easy to switch RS232/485

Costomized Logo

Dimensions



BASIC (Unit: mm)



EXPANSION (Unit: mm)

Specifications

Model Name		NP-6123	NP-6133
System	CPU	Intel® Core™ 6/7/8/9th Gen. i7/i5/i3/Pentium® /Celeron® LGA1151 type CPU	Intel® Core™ 10/11th Gen. i9/ i7/i5/i3 LGA1200 type CPU
	TDP	Max. 65W	
	BIOS	AMI UEFI BIOS	
	Memory	2×SO-DIMM DDR4-2400MHz, max up to 32GB	
	Storage	1×mSATA bay	
I/O	USB	4×USB3.0, 1×USB2.0 Type A on the board for USB dongle	
	COM	1×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	
	Ethernet	4×Intel GbE LAN controller	
Display	VGA	Support up to 1920×1200@60Hz	
	HDMI	Support up to 3840×2160@60Hz	
Expansions	Expansions	2×Full-size PCIe Mini slot with SIM card holder(with USB signal)	
Other	Watch Dog	1~255 levels programmable	
	Remote ON-OFF	1×Remote ON-OFF	
OS	Windows	Windows 10 IoT	
	Linux	Ubuntu, CentOS, Debian	
Power	Voltage Input	DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection, (Must be DC24V when using Light Control	
	Power Consumption	Basic: Max. 120W/Expansion: Max. 200W	
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail fixing style	
	Dimensions(L×W×H)	Basic:200mm×154.5mm×57.6mm/Expansion:200mm×154.5mm×74.6mm	
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-40°C ~ 80°C (-40°F~176°F) with air flow (SSD)	
	Relative Humidity	5~95%(Non-condensing)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class A	

Machine Vision and Automation Control application
NP-6123-L4 & NP-6133-L4

Extension Interface

- 4×Intel® GbE LAN controller(Occupies 2×miniPCIe slots)
- 1×RS485, RS485 support auto flow control
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 1×2.5″ SATA SSD bay

Automation Control application
NP-6123-16I160 & NP-6133-16I160

Extension Interface

- 1×Intel® GbE LAN controller(Optional)
- 16×DI NPN/PNP, isolated 2500 Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

Machine Vision application
NP-6123-MVS & NP-6133-MVS

Extension Interface

- 1×RS485, RS485 support auto flow control
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 4×PWM Light power control with external trigger input, Imax: 1A per channel
- 1×2.5″ SATA SSD bay

Automation Control application
NP-6123-L2 & NP-6133-L2

Extension Interface

- 2×Intel® GbE LAN controller(Occupies 1×miniPCIe slot)
- 1×2.5″ SATA SSD bay

Machine Vision application
NP-6123-MVS-L1 & NP-6133-MVS-L1

Extension Interface

- 1×Intel® GbE LAN controller(Occupies 1×miniPCIe slot)
- 1×RS485, RS485 support auto flow control
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 4×PWM Light power control with external trigger input, Imax: 1A per channel
- 1×2.5″ SATA SSD bay

Automation Control application
NP-6123-HDD & NP-6133-HDD

Extension Interface

- 1×2.5″ SATA SSD bay

NP-6123/6133 SERIES

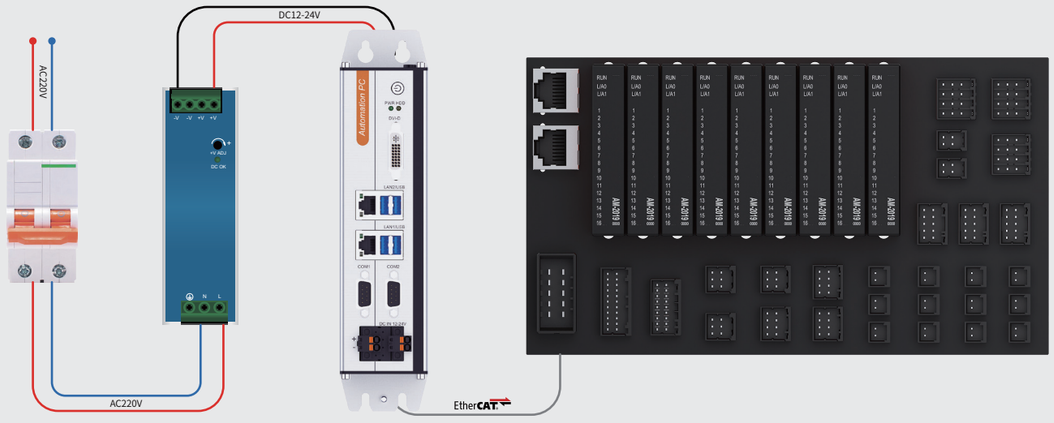
Ordering Infomation

Product Code	Configuration
NP-61X3	CPU:NULL, RAM:NULL, mSATA:NULL, 1×RS232/485(selectable), 4×LAN, 4×USB3.0, VGA/HDMI, DC12~24V Power input
NP-61X3-L4	CPU:NULL, RAM:NULL, mSATA:NULL, SATA:NULL, 1×RS232/485(selectable), 1×RS-485, 8×LAN, 4×USB3.0, 8×DI, 8×DO, VGA/HDMI, DC12~24V Power input
NP-61X3-MVS	CPU:NULL, RAM:NULL, mSATA:NULL, SATA:NULL, 1×RS232/485(selectable), 1×RS-485, 4×LAN, 4×USB3.0, 8×DI, 8×DO, 4×PWM Light control support external Trigger input, VGA/HDMI, DC12~24V Power input(※Must be DC24V power input when using light control functionalities)
NP-61X3-MVS-L1	CPU:NULL, RAM:NULL, mSATA:NULL, SATA:NULL, 1×RS232/485(selectable), 1×RS-485, 5×LAN, 4×USB3.0, 8×DI, 8×DO, 4×PWM Light control support external Trigger input, VGA/HDMI, DC12~24V Power input(Must be DC24V power input when using light control functionalities)
NP-61X3-16I16O	CPU:NULL, RAM:NULL, mSATA:NULL, 1×RS232/485(selectable), 4×LAN, 4×USB3.0, 16×DI, 16× DO, VGA/HDMI, DC12~24V Power input
NP-61X3-L2	CPU:NULL, RAM:NULL, mSATA:NULL, SATA:NULL, 1×RS232/485(selectable), 6×LAN, 4×USB3.0, VGA/HDMI, DC12~24V Power input
NP-61X3-HDD	CPU:NULL, RAM:NULL, mSATA:NULL, SATA:NULL, 1×RS232/485(selectable), 4×LAN, 4×USB3.0, VGA/HDMI, DC12~24V Power input

Option items

Parts	Description
CPU:NP-6123	Intel® Pentium®: G3900,G4400 Intel® Core™ Skylake: i3-6100, i3-6100T,i 5-6400, i5-6400T, i5-6500, i5-6500T, i7-6700, i7-6700T Intel® Core™ Kaby Lake: i3-7100, i5-7400, i5-7500, i7-7700, i7-7700T Intel® Core™ Coffee Lake: i3-8100, i5-8400, i5-8500, i7-8700
CPU:NP-6133	Intel® Core™ Comet lake: i3-10100T, i3-10100, i3-10105T, i3-10105, i5-10400T, i5-10400, i5-10500 …… Intel® Core™ Rocket lake: i5-11400T, i5-11500T, i5-11600T, i5-11400, i5-11500, i5-11600 ……
DDR4 Memory	DDR4-2400MHz: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
M.2 SATA SSD	128GB, 256GB, 512GB, 1TB, 2TB
Wifi Set	miniPCIE WIFI Set (7260 series) ,Cylindrical antenna
3G/4G Module	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail, Wall-mounted

Industrial PC Solution for Automation Control



Circuit breaker | Power supply | Industrial PC | EtherCAT IO module

Product Feature:

1. NP Series Automation PC-Design for controller application.
2. UPS NP-6310 - Keep your system and data safe.
3. EtherCAT IO - Greater flexibility and Cut installation times by 95%.

NP-6125/6135 SERIES

Feature

LAN
2×Intel® Gigabit ports
Support EtherCAT and jumbo frames

USB
4×USB3.0
1×USB2.0 Type A onboard for dongle

COM
2×RS232/RS485, RS485 support auto flow control

Display
VGA and HDMI display port.

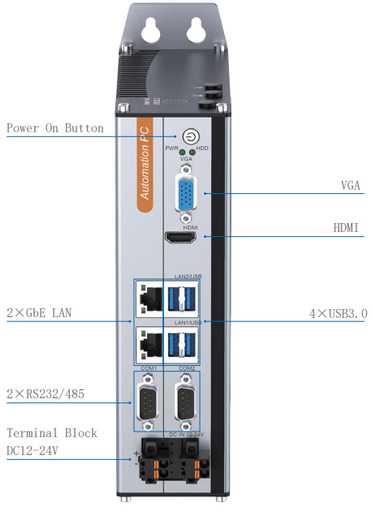
miniPCIe
1×miniPCIe slot for Wifi, 3G/4G/5G, LAN

Wide voltage power supply: DC12V~24V
DC12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Option different I/O ports and accept customized
Option different I/O board and ports
Esay to change customized logo.

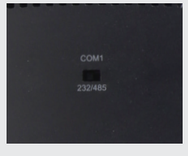
Perfect cooling system design
Fully enclosed structure, seperately space for fan
cooling system, cable-free design.

I/O Port



miniPCIe Expansion Slot

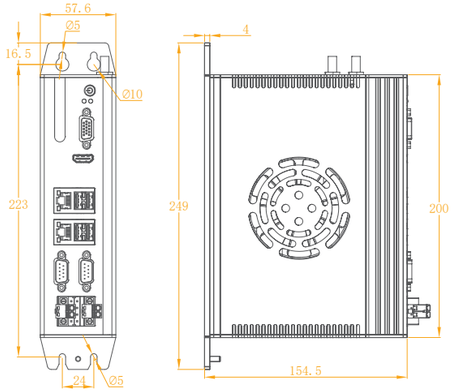
Internal USB2.0 for Dongle



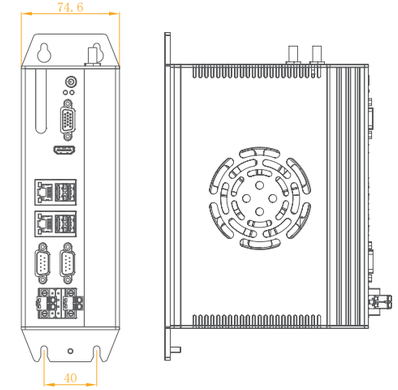
Easy to switch RS232/485

Costomized Logo

Dimensions



BASIC (Unit: mm)



EXPANSION (Unit: mm)

Specifications

Model Name		NP-6125	NP-6135
System	CPU	Intel® Core™ 6/7/8/9th Gen. i7/i5/i3/Pentium® /Celeron® LGA1151 type CPU	Intel® Core™ 10/11th Gen. i9/ i7/i5/i3 LGA1200 type CPU
	TDP	Max. 65W	
	BIOS	AMI UEFI BIOS	
	Memory	2×SO-DIMM DDR4-2400MHz, max up to 32GB	
	Storage	1×mSATA bay, 1×M.2(B Key, Type 2280) bay support SATA	
I/O	USB	4×USB3.0, 1×USB2.0 Type A on the board for USB dongle	
	COM	2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	
	Ethernet	2×Intel GbE LAN controller	
Display	VGA	Support up to 1920×1200@60Hz	
	HDMI	Support up to 3840×2160@60Hz	
Expansions	Expansions	1× Full-size PCIe Mini slot with SIM card holder(with USB signal)	
Other	Watch Dog	1~255 levels programmable	
OS	Windows	Windows 10 IoT	
	Linux	Ubuntu, CentOS, Debian	
Power	Voltage Input	DC 12~24V ±10%, overcurrent, overvoltage and polarity inverse protection, (Must be DC24V when using Light Control	
	Power Consumption	Basic: Max. 120W/Expansion: Max. 200W	
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail fixing style	
	Dimensions(L×W×H)	Basic:200mm×154.5mm×57.6mm/Expansion:200mm×154.5mm×74.6mm	
Reliability	Work Temperature	20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-40°C ~ 80°C (-40°F~176°F) with air flow (SSD)	
	Relative Humidity	5~95%(Non-condensing)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class A	

NP-6125/6135 SERIES

Machine Vision application
NP-6125-H1 & NP-6135-H1

Extension Interface

- 4×Intel® GbE PoE LAN, max. 15w per channel
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 4×PWM Light power control with external trigger input, Imax: 1A per channel

Automatic Sorting System Based on Machine Vision
NP-6125-JH2B & NP-6135-JH2B

Extension Interface

- 2×Intel® GbE PoE LAN, max. 15w per channel
- 16×DI NPN/PNP, isolated 2500Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

Automatic Sorting System Based on Machine Vision
NP-6125-H1B & NP-6135-H1B

Extension Interface

- 4×Intel® GbE PoE LAN, max. 15w per channel
- 16×DI NPN/PNP, isolated 3750Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 3750 Vrms

AGV and Service robots application
NP-6125-JH3 & NP-6135-JH3

Extension Interface

- 4×USB2.0
- 2×RS232/485, RS485 support auto flow control
- 2×CAN Bus 2.0A/B, 1 x DB9(Female)
- 8×DI NPN/PNP, isolated 2500Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

Machine Vision application
NP-6125-JH2 & NP-6135-JH2

Extension Interface

- 2×Intel® GbE PoE LAN, max. 15w per channel
- 8×DI NPN/PNP, isolated 2500Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 4×PWM Light power control with external trigger input, Imax: 1A per channel

Intelligent Gateway Industry application
NP-6125-JH4 & NP-6135-JH4

Extension Interface

- 8×RS485, RS485 support auto flow control, there are two status leds for data sending and receiving in each channel, 120oml terminal resistor can be turned on or off by the switch.
- 8×DI NPN/PNP, isolated 2500Vrms
- 4×Relay DO(Normally Open)

NP-6125/6135 SERIES

Guidance and Positioning Based on Machine Vision

NP-6125-8PoE & NP-6135-8PoE

Extension Interface

- 8×Intel® GbE PoE LAN controller, max. 15W per channel

Machine Vision application

NP-6125-H1BP & NP-6135-H1BP

Extension Interface

- 4×Intel® GbE PoE LAN, max. 15w per channel
- 16×DI
- 16×DO

AGV and Service robots application

NP-6125-CAN2 & NP-6135-CAN2

Extension Interface

- 2×CAN Bus 2.0 A/B

Machine Vision application

NP-6125-H7& NP-6135-H7

Extension Interface

- 4×USB3.0
- 8×DI NPN/PNP, isolated 2500 Vrms
- 8×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
- 4×PWM Light power control with external trigger input, Imax: 1A per channel

Automation Control application

NP-6125-L2 & NP-6135-L2

Extension Interface

- 2×Intel® Gigabit ports

Machine Vision application

NP-6125-H7B & NP-6135-H7B

Extension Interface

- 4×USB3.0
- 16×DI NPN/PNP, isolated 2500 Vrms
- 16×DO Transistor output, Imax:0.5A per channel, isolated 2500 Vrms

NP-6125/6135 SERIES

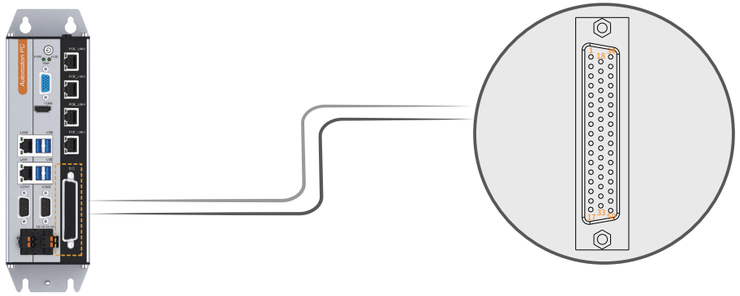
Intelligent Gateway Industry application

NP-6125-JH5 & NP-6135-JH5

Extension Interface

- 1xIntel i210-ATGbE LAN controller
- 16xDI NPN/PNP
- 8xDO (NPN), Imax.0.5A
- 8xRelay DO(NO,30VDC(Imax: 3.0A))

NP-6125/6135-H1BP I/O



Pin	Signal	Function	Pin	Signal	Function	Pin	Signal	Function
1	DO_14	DO Channel 14	18	DO_13	DO Channel 13	34	DO_15	DO Channel 15
2	DO_11	DO Channel 11	19	DO_10	DO Channel 10	35	DO_12	DO Channel 12
3	DO_08	DO Channel 08	20	DO_07	DO Channel 07	36	DO_09	DO Channel 09
4	DO_05	DO Channel 05	21	DO_04	DO Channel 04	37	DO_06	DO Channel 06
5	DO_02	DO Channel 02	22	DO_01	DO Channel 01	38	DO_03	DO Channel 03
6	DO_VCC	DO VCC common, connected for inductive loads VCC of the load	23	DO_VCC	DO VCC common, connected for inductive loads VCC of the load	39	DO_00	DO Channel 00
7	DO_GND	DO GND common	24	DO_GND	DO GND common	40	DO_GND	DO GND common
8	Enc_GND	Encoder Power Supply GND	25	Enc_VCC	Encoder Power Supply DC5V	41	Enc_GND	Encoder Power Supply GND
9	Enc_VCC	Encoder Power Supply DC5V	26	Enc_1_Z-	Encoder Channel 1Z-	42	DI_COM2	DI_10 to DI15
10	Enc_1_B-	Encoder Channel 1B-	27	Enc_1_Z+/DI_15	Encoder Channel 1Z+/DI15	43	Enc_1_B+/DI_14	Encoder Channe1B+/DI14
11	Enc_1_A-	Encoder Channel 1A-	28	Enc_0_Z-	Encoder Channel 0Z-	44	Enc_1_A+/DI_13	Encoder Channe1A+/DI13
12	Enc_0_B-	Encoder Channel 0B-	29	Enc_0_Z+/DI_12	Encoder Channel 0Z+/DI12	45	Enc_0_B+/DI_11	Encoder Channe0B+/DI11
13	Enc_0_A-	Encoder Channel 0A-	30	DI_COM1	DI_0 to DI_9common terminal	46	Enc_0_A+/DI_10	Encoder Channe0A+/DI10
14	DI_COM1	DI_0 to DI_9 common terminal	31	DI_08	DI Channel 08	47	DI_09	DI Channel 09
15	DI_07	DI Channel 07	32	DI_05	DI Channel 05	48	DI_06	DI Channel 06
16	DI_04	DI Channel 04	33	DI_02	DI Channel 02	49	DI_03	DI Channel 03
17	DI_01	DI Channel 01				50	DI_00	DI Channel 00

Ordering Infomation

Product Code	Configuration
NP-61X5	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL,2×RS232/485(selectable), 2×LAN, 4×USB3.0, VGA/HDMI, DC12~24V Power input
NP-61X5-H1	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL,2×RS232/485(selectable), 2×LAN, 4×USB3.0, VGA/HDMI, 8×DI, 8×DO, 4×Light control, 4× External trigger input, 4×PoE LAN, DC12~24V Power input(must be DC24V input when using Light control)
NP-61X5-H1B	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL,2×RS232/485(selectable), 2×LAN, 4×USB3.0, VGA/HDMI, 8×DI, 8×DO, 4×Light control, 4× External trigger input, 4×PoE LAN, DC12~24V Power input(must be DC24V input when using Light control)
NP-61X5-H1BP-N	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2 x RS232/485(selectable), 2 x LAN, 4 x USB3.0, VGA/HDMI , 4 x PoE LAN, 16 x DI（2 A/B phase differential encoder inputs）, 16 x DO NPN（ 2 PWM single-ended outputs）,
NP-61X5-H1BP-P	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2 x RS232/485(selectable), 2 x LAN, 4 x USB3.0, VGA/HDMI , 4 x PoE LAN, 16 x DI（2 A/B phase differential encoder inputs）, 16 x DO PNP（ 2 PWM single-ended outputs）,
NP-61X5-JH2	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, VGA/HDMI, 8×DI, 8×DO, 4×Light control, 4× External trigger input, 2×PoE LAN, DC12~24V Power input(must be DC24V input when using Light control)
NP-61X5-JH2B	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, VGA/HDMI, 16×DI, 16×DO, 2×PoE LAN, DC12~24V Power input
NP-61X5-JH3	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 4×RS232/485(selectable), 2×LAN, 4×USB3.0, 4×USB2.0, VGA/HDMI, 8×DI, 8×DO, DC12~24V Power input
NP-61X5-JH3-Audio	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 4×RS232/485(selectable), 2×LAN, 4×USB3.0, 4×USB2.0, VGA/HDMI, 8×DI, 8×DO, 1×Lineout, DC12~24V Power input
NP-61X5-JH4	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 8×RS485, 2×LAN, 4×USB3.0, VGA/HDMI, 8×DI, 4×Relay DO, DC12~24V Power input
NP-61X5-8POE	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, VGA/HDMI, 8×PoE LAN, DC12~24V Power input
NP-61X5-CAN2	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 2×LAN, 4×USB3.0, 2×CAN2.0A/B, VGA/HDMI, DC12~24V Power input
NP-61X5-L2	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA:NULL, 2×RS232/485(selectable), 4×LAN, 4×USB3.0, VGA/HDMI, DC12~24V Power input
NP-61X5-H7	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA: NULL, 2 x RS232/485(Selectable), 2 x LAN, 4 x USB3.0, 8 x DI, 8 x DO, 4 x Light PWM Control, 4 x Light External Trigger,VGA/HDMI display port, DC12~24V Power input
NP-61X5-H7B	CPU:NULL, RAM:NULL, mSATA:NULL, M.2 SATA: NULL, 2 x RS232/485(Selectable), 2 x LAN, 4 x USB3.0, 16 x DI, 16 x DO, VGA/HDMI display port, DC12~24V Power input
NP-61X5-JH5	CPU:NULL, RAM:NULL, mSATA:NULL, 2xRS232/485(Selectable),8 x RS485, 3 x LAN,4 x USB3.0, VGA/HDMI display port, 16 x DI, 8 x DO,8 x Relay DO, 2 x CAN AB(Selectable),DC12~24V Power input

Option items

Parts	Description
CPU:NP-6125	Intel® Pentium®: G3900,G4400 Intel® Core™ Skylake: i3-6100, i3-6100T,i 5-6400, i5-6400T, i5-6500, i5-6500T, i7-6700, i7-6700T Intel® Core™ Kaby Lake: i3-7100, i5-7400, i5-7500, i7-7700, i7-7700T Intel® Core™ Coffee Lake: i3-8100, i5-8400, i5-8500, i7-8700
CPU:NP-6135	Intel® Core™ Comet lake: i3-10100T, i3-10100, i3-10105T, i3-10105, i5-10400T, i5-10400, i5-10500 ……. Intel® Core™ Rocket lake: i5-11400T, i5-11500T, i5-11600T, i5-11400, i5-11500, i5-11600 ……
DDR4 Memory	DDR4-2400MHz: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
M.2 SATA SSD	128GB, 256GB, 512GB, 1TB, 2TB
Wifi Set	miniPCIE WIFI Set (7260 series) ,Cylindrical antenna
3G/4G Module	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail, Wall-mounted

NP-6116 SERIES

Feature

LAN
3×Gigabit ports

COM
1×RS232, 1×RS485

USB
3×USB

miniPCIe
2×miniPCIe slot for Wifi, 3G/4G/5G, LAN

Display
DP and HDMI display port

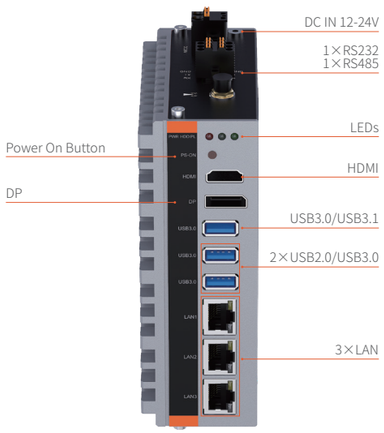
Wide voltage power supply: DC12V~24V
overcurrent, overvoltage and polarity inverse protection.
Double fastening power plugs.

Fastened MSATA electronic disk slot
To avoid IPC failure caused by the use of mechanical hard drive in the vibration, high temperature and illegal power.

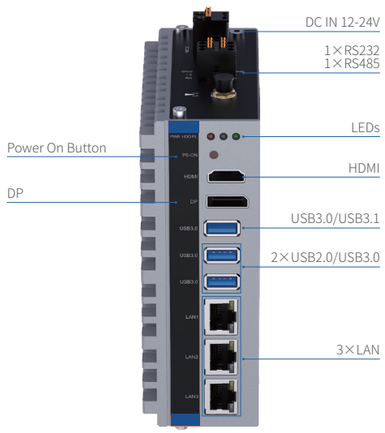
Compact design
book style, wall mounted, din rail mounted extremely space-saving design.

Perfect cooling system design
Fully enclosed structure, fanless, cable-free design.
Working temperature: -20℃~60℃

I/O Port



J6412

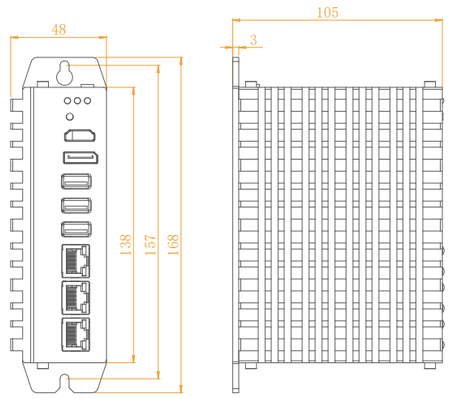


J1900

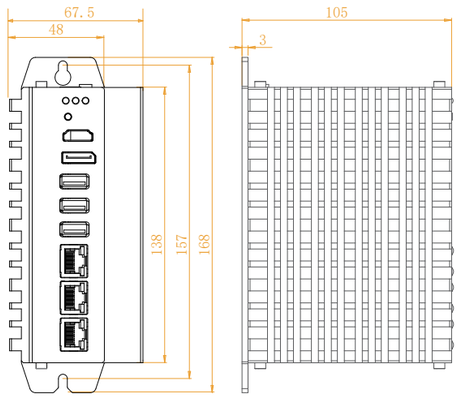
Specifications

Model Name		NP-6116	
System	CPU	Intel® Celeron J1900, 2.0GHz, 4 cores/4 threads, 2MB L2 cache	Intel® Celeron J6412, 2.0~2.6GHz, 4 cores/4 threads, 1.5MB L2 cache
	TDP	Max. 10W	
	BIOS	AMI BIOS UEFI	AMI UEFI BIOS
	Memory	1×SO-DIMM DDR3L-1333MHz (Up to 8GB)	1×SO-DIMM DDR4-3200MHz (Up to 32GB)
	Storage	1×M.2 2242 SATA2.0	1×M.2 2242
I/O	USB	1×USB3.0, 2×USB2.0	3×USB3.1
	COM	1×RS232, 1×RS485	1×RS232, 1×RS485
	Ethernet	2×RTL8111H GbE LAN, 1×Intel GbE LAN	3×Intel GbE LAN
Display	DP	Support up to560×1600 @60Hz	Support up to4096×2160 @60Hz
	HDMI	Support up to1920×1080 @60Hz	Support up to3840×2160 @60Hz
Expansions	Expansions	1×Full-size PCIe Mini slot with SIM card holder	
Other	DO	1×Programmable led	
	Remote ON-OFF	1~255 levels programmable	
OS	Windows	Windows 10 IoT	
	Linux	Ubuntu	
Power	Voltage Input	DC 12~24V ±10%, overcurrent, overvoltage and polarity inverse protection	
	Power Consumption	Max. 45W	
Chassis	Structure	Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail	
	Dimensions(L×W×H)	138mm×102mm×48mm	
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-40°C ~ 80°C (-40°F~176°F) with air flow (SSD)	
	Relative Humidity	5~95%(Non-condensing)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class B	

Dimensions



BASIC (Unit: mm)



EXPANSION (Unit: mm)

NP-6116 SERIES

Automation Control application

NP-6116-DIO

Extension Interface

- 8 x DI, 8 x DO(NPN)
- 8 x DI, 8 x DO(PNP)

Automation Control application

NP-6116-L2

Extension Interface

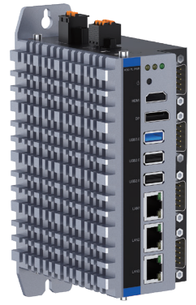
- 2×Intel® Gigabit ports

Automation Control application

NP-6116-2COM

Extension Interface

- 1xRS232, 3xRS485, 2xRS485 high baud rate serial ports



Automation Control application

NP-6116-4COM

Extension Interface

- 1xRS232, 3xRS485, 2xRS485 high baud rate serial ports

Ordering Infomation

Product Code	Configuration
NP-6116-J1900	CPU:J1900, RAM:NULL, M.2 SATA: NULL, 1×RS232, 1×RS485, 3×LAN, 1×USB3.0, 1×USB2.0, HDMI/DP display, DC12-24V DC IN
NP-6116-J6412	CPU:J6412, RAM:NULL, M.2: NULL, 1×RS232, 1×RS485, 3×LAN,3×USB3.0, HDMI/DP display, DC12-24V DC IN
NP-6116-DIO-J1900	CPU:J1900, RAM:NULL, M.2 SATA: NULL, 1×RS232, 1×RS485, 3×LAN, 1×USB3.0, 1×USB2.0, 8×DI,8×DO(PNP), HDMI/DP display, DC12-24V DC IN
NP-6116-DIO-J6412	CPU:J6412, RAM:NULL, M.2: NULL, 1×RS232, 1×RS485, 3×LAN,3×USB3.0,8×DI,8×DO, HDMI/DP display, DC12-24V DC IN
NP-6116-L2-J1900	CPU:J1900, RAM:NULL, M.2 SATA: NULL, 1×RS232, 3×RS485, 5×LAN, 1×USB3.0, 1×USB2.0, HDMI/DP display, DC12-24V DC IN
NP-6116-L2-J6412	CPU:J6412, RAM:NULL, M.2: NULL, 1×RS232, 3×RS485, 5×LAN,3×USB3.0, HDMI/DP display, DC12-24V DC IN
NP-6116-2COM-J1900	CPU:J1900, RAM:NULL, M.2 SATA: NULL, 1×RS232, 3×RS485, 3×LAN, 1×USB3.0, 1×USB2.0, HDMI/DP display, DC12-24V DC IN
NP-6116-2COM-J6412	CPU:J6412, RAM:NULL, M.2: NULL, 1×RS232, 3×RS485, 3×LAN,3×USB3.0, HDMI/DP display, DC12-24V DC IN
NP-6116--4COM-J1900	CPU:J1900, RAM:NULL, M.2 SATA: NULL, 1×RS232, 3×RS485, 3×LAN, 1×USB3.0, 2×USB2.0, 4×RS232/485, HDMI/DP display, DC12-24V DC IN
NP-6116--4COM-J6412	CPU:J6412, RAM:NULL, M.2: NULL, 1×RS232, 3×RS485, 3×LAN,3×USB3.1,4×RS232/485, HDMI/DP display, DC12-24V DC IN

Option items

Parts	Description
DDR3L Memory	DDR3L-1333MHz: 4GB, 8GB
DDR4 Memory	DDR4-3200MHz: 4GB, 8GB, 16GB, 32GB
M.2 SATA SSD	64GB, 128GB, 256GB, 512GB
M.2 SSD	64GB, 128GB, 256GB, 512GB, 1TB
Wifi Set	mini PCIE: Intel 7260
3G/4G Module	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail, Wall-mounted

NP-6117 SERIES

Feature

LAN
3×Gigabit ports

COM
1×RS232, 1×RS485 (Phoenix terminal)

miniPCIe
1×miniPCIe slot for Wifi, 3G/4G/5G, LAN

Wide voltage power supply: DC12V~24V
DC12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Compact design
book style, wall mounted, din rail mounted extremely space-saving design.

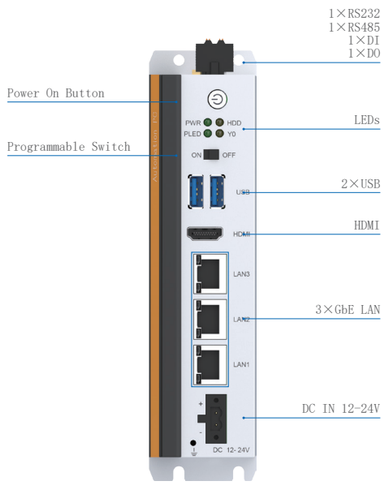
USB
2×USB
1×USB2.0 Type A onboard for dongle

Without cable inside
Without cable connection to protect the reliability and lower failure rate.

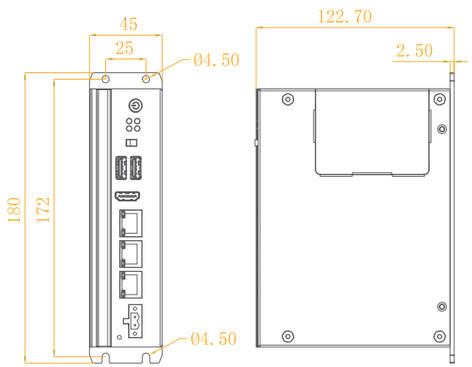
Fastened MSATA electronic disk slot
To avoid IPC failure caused by the use of mechanical hard drive in the vibration, high temperature and illegal power.

Perfect cooling system design
Fully enclosed structure, fanless, cable-free design
Working temperature: -20℃~60℃.

I/O Port



Dimensions



(Unit: mm)

Specifications

Model Name		NP-6117	
System	CPU	Intel® Celeron J1900, 2.0GHz, 4 cores/4 threads, 2MB L2 cache	Intel® Celeron J6412, 2.0~2.6GHz, 4 cores/4 threads, 1.5MB L2 cache
	TDP	Max. 10W	
	BIOS	AMI UEFI BIOS	
	Memory	1×SO-DIMM DDR3L-1333MHz (Up to 8GB)	1×SO-DIMM DDR4-2400MHz(Up to 32GB)
	Storage	1×mSATA SSD bay	
I/O	USB	1×USB3.0, 1×USB2.0	2×USB3.0, 1×USB2.0 Type A on the board for USB dongle
	COM	1×RS232, 1×RS485(Phoenix terminal)	
	Ethernet	1×Intel GbE LAN controller, 2×RTL8111H GbE LAN controller	
	DI	1×DI NPN, 1×Programmable Switch	
	DO	1×DO Transistor output; 1×Programmable LED	
Display	HDMI	Support up to 1920 x 1080	Support up to 4096×2160
Expansions	Expansions	1×Full-size PCIe Mini slot with SIM card holder(with USB signal)	
Other	Watch Dog	1~255 levels programmable	
OS	Windows	Windows 10 IoT	
	Linux	Ubuntu	
Power	Voltage Input	DC 12~24V ±10%, overcurrent, overvoltage and polarity inverse protection	
	Power Consumption	Max. 45W	
Chassis	Structure	Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail	
	Dimensions(L×W×H)	160mm×123.2mm×45mm	
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-40°C ~ 80°C (-40°F~176°F) with air flow (SSD)	
	Relative Humidity	5~95%(Non-condensing)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class A	

Ordering Infomation

Product Code	Configuration
NP-6117-J1900	CPU:J1900, RAM:NULL, mSATA: NULL, 1×RS232, 1×RS485, 3×LAN, 1×USB3.0, 1×USB2.0, HDMI, 2×DI, 2×DO, DC12/24V Power Input
NP-6117-J6412	CPU:J6412, RAM:NULL, mSATA: NULL, 1×RS232, 1×RS485, 3×LAN, 2×USB3.0, HDMI, 2×DI, 2×DO, DC12/24V Power Input

Option items

Parts	Description
DDR3L Memory	DDR3L-1333MHz: 4GB, 8GB
DDR4 Memory	DDR4-2400MHz: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
Wifi Set	mini PCIE: Intel 7260
3G/4G Modules	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rai, Wall-mounted

NP-6118 SERIES

Feature

Compact design with rugged aluminum alloy housing
Book style with ultra-compact, sealed housing with fanless design.

Fanless Design
Fanless design and working temperature is -20 to 60℃.

Flexible modular design
Product is with modular design structure, easy for maintenance and upgrade.

No cable design
Using high quality connector between the boards, reliability and stability for no cable connection design.

Fastened power connector
DC 12/24V ±10% power input, with over-current, overvoltage and reverse protection measures,

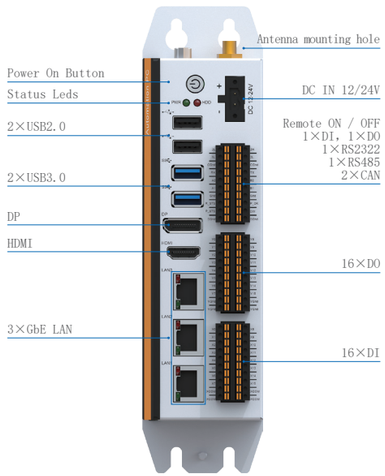
UPS
Build in super capacitor UPS, can backup for 5 seconds.

USB
4×USB,
1×USB2.0 Type A on the board for USB dongle.

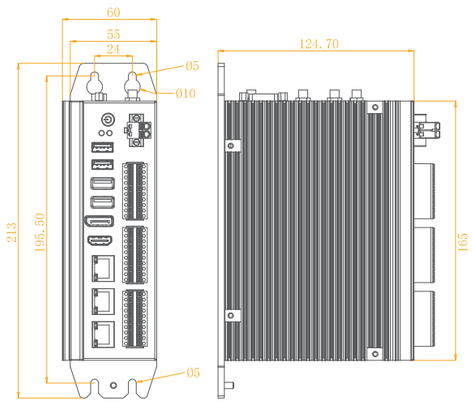
Super capacitor
IO signal can be triggered to save data when power.
As a filter when power fluctuations.

Easy for customization
Customized logo,
Customized Independent IO

I/O Port



Dimensions



(Unit: mm)

Specifications

Model Name		NP-6118-16I160C	
System	CPU	Intel® Celeron J1900, 2.0~2.41GHz, 4 cores/4 threads, 2MB L2 cache	Intel® Celeron J6412, 2.0~2.6GHz, 4 cores/4 threads, 1.5MB L2 cache
	TDP	Max. 10W	
	BIOS	AMI UEFI BIOS	
	Memory	1×SO-DIMM DDR3L-1333MHz (max. 8GB)	1×SO-DIMM DDR4-2400MHz (max. 32GB)
	Storage	1×mSATA SSD bay	
I/O	USB	1×USB3.0, 3×USB2.0, 1×USB2.0 Type A on the board for USB dongle	2×USB3.0, 2×USB2.0, 1×USB2.0 Type A on the board for USB dongle
	COM	1×RS232, 2×RS485 (Phoenix terminal)	
	Ethernet	1×Intel GbE LAN controller, 2×RTL8111H GbE LAN controller	
	DI	16×DI NPN/PNP, isolated 3750 Vrms	
	DO	16×DO, Transistor output, Imax:0.5A per channel, isolated 3750 Vrms	
Display	CAN	2×CAN Bus 2.0A/B Selectable(Phoenix terminal)	
	HDMI	Support up to 1920×1080@60Hz	Support up to 4096×2160@60Hz
	DP	-	Support up to 4096×2160@60Hz
Expansions	Expansions	1×Full-size PCIe Mini slot with SIM card holder(with USB signal), 1×M.2KEY-A, Support Wifi modules	
Other	Watch Dog	1~255 levels programmable	
OS	Windows	Windows 10 IoT	
	Linux	Ubuntu	
Power	Voltage Input	DC12/24V±10%, overcurrent, overvoltage and polarity inverse protection, Super capacitors integrated	
	Power Consumption	Max. 45W	
Chassis	Structure	Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail	
	Dimensions(L×W×H)	165mm×124.7mm×60mm	
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-40°C ~ 80°C (-40°F~176°F) with air flow (SSD)	
	Relative Humidity	5~95%(Non-condensing)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Operating Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class A	

Ordering Infomation

Product Code	Configuration
NP-6118-16I160C-J1900	CPU:J1900, RAM:NULL, mSATA: NULL, 1×RS232, 2×RS485, 2×CAN2.0, 3×LAN, 1×USB3.0, 3×USB2.0, HDMI, 16×DI, 16×DO, DC12/24V Power Input
NP-6118-16I160C-J6412	CPU:J6412, RAM:NULL, mSATA: NULL, 1×RS232, 2×RS485, 2×CAN2.0, 3×LAN,2×USB3.0, 2×USB2.0, HDMI/DP, 16×DI, 16×DO, DC12/24V Power Input

Option items

Parts	Description
DDR3L Memory	DDR3L-1333MHz: 4GB, 8GB
DDR4 Memory	DDR4-3200MHz: 4GB, 8GB, 16GB
mSATA SSD	64GB, 128GB, 256GB, 512GB, 1TB
Wifi Set	Intel AX210 wifi 6E M.2 Set
3G/4G Modules	mini PCIE: EC20, EG25, EC25
Mount Option	DIN-Rail, Wall-mounted

NP-6310 UPS

NP-6310 UPS is a standalone uninterruptible power supply system module designed for industrial applications to avoid damage to hardware, software or data due to illegal power outages. The module adopts advanced supercapacitor technology as well as intelligent power management technology and can independently manage the switching on and off of powered equipment, and it adopts industrial-grade supercapacitor storage, which is not only highly efficient but also more environmentally friendly, and it can operate normally in a wide temperature range from -20°C to It can operate normally in a wide temperature range from -20°C to 60°C and has a service life of up to 10 years. It can be used in conjunction with embedded industrial controllers or tablet PCs, which can effectively maintain stable system operation and prevent data loss.

POWER

Wide voltage power supply: DC12V~24V

DC12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Ultracapacitor storage

Ultra-long life supercapacitor storage, up to 10 years 500,000 charge/discharge cycles

High conversion efficiency, environmentally friendly, safe, long backup time

Real-time status monitoring

Powered device (PC) can monitor status in real time via RS232/RS485

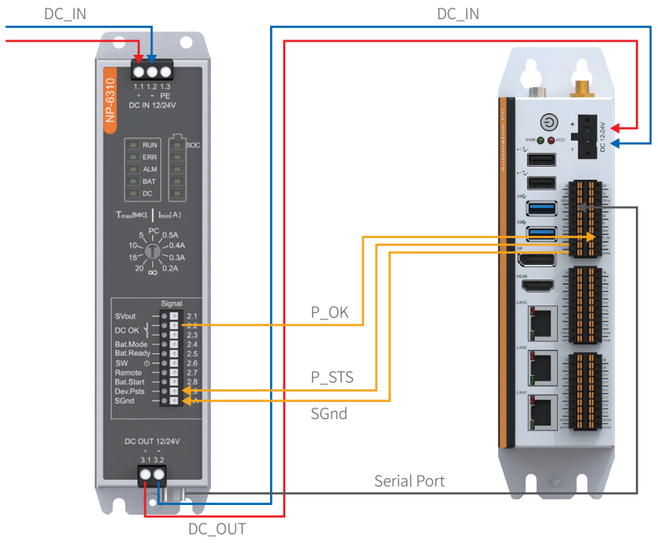
Configurable power management policy

Remote power on/off via DIO for powered devices

Wide-temperature operation

Wide temperature industrial grade devices

Withstands -20°C to 60°C operating environments



eLink-200

eLINK-200 is designed for long-distance data transmission, it includes sender and receiver which both use high performance chipset and components.

The sender transmits HD video signal, USB signal of touch, RS232 signal to the receiver through only a network CAT5/CAT6 cable, and the transmission distance from PC to display up to 100 meters. By decoding at the receiving end, a high-quality picture is presented to the user.

With the most compact and very small mounting space, eLINK-200 is widely used in large equipment, CNC/Laser equipment and other application of long-distance transmission requirements.

- High performance decoding chip
- Industrial grade design with surge protection
- Maxium 100 meters communication
- Transmitting video signal, USB signal and serial port signal at the same time
- Book mounting kit