BELSATI SISTEMAS
SMARTER INDUSTRY

Fanless Industrial Computer

Nodka fanless industrial computer pack extreme computing power into a mini form, which is especially important for industrial use. Different mounting options are available for different product type, VESA, Din Rail and rack mounting, and these units can be mounted virtually anywhere and handle just about any job. NODKA's fanless industrial computer adheres to the full-featured and cost-effective concepts, focus on solid shape and stylish design.

eBOX-3000 Series

High-performance, fanless Mini PC based on Intel® Core™ 6/7/8/9th generation i7 / i5 / i3 / Pentium® / Celeron® desktop, processors, support PCI / PCIe expansion, optional 2 models.

eBOX-32XX Series

Cost effective and fanless industrial computer based on Intel Celeron® J1900 quad-core Low-power processor, optional 4 models.

eBOX-3310

Low-power High-performance industrial computer based on ntel® Celeron® J6412 / 4205U / J1900 / Core™ i5 7200U processor.

eBOX-3560

Low-power Atom fanless Mini PC, Intel® Celeron® J3355 dual-core processor.

eBOX-3622-H

High-performance and extensible industrial computer based on Intel® Core™ 4th i7 / i5 / i3 / Pentium® / Celeron® desk processor, supports PCI and PCIe slots.

eBOX-3625

High-performance and Fanless Industrial Mini Computer based on Intel® Core™ 6/7/8/9th generation i7 / i5 / i3 / Pentium® / Celeron® desk processor,with Integrated remote transmission sender module.

eBOX-3000 SERIES

Intel® Core™ i3/i5/i7/ Pentium® / Celeron® High performance rugged fanless PC

eBOX-3000 is a rugged fanless PC which based on Intel® the 6/7/8/9th Gen. Core™i3 i5 i7,Pentium® and Celeron® LGA1151 socket type CPU, the box covers with large aluminum block for cooling system. Inside of the box, there is no cable design, onboard dual channel DDR4 SODIMM slots, up to 32G memory. There are 2 intel Ethernet RJ45 slots, can be extended to 6 LAN ports, option VGA, DVI and HDMI interfaces and supporting multi screen synchronous/asynchronous, totally 6 RS232 and 2 RS232/485 optional, 1~2 PCI and PCIe slots can be extended various cards.

- OS : Windows7, Windows10 and Linux.

INtime for Windows · EC Win · QNX Software Systems · VxWorks® Wind River · Windows Embedded · CE · FC · RoHS Compliant 2002/95/EC

Rugged and fanless design
Sealed box with excellent cooling system.

Wide work temperature：-20°C～60°C
Product is with wide temperature components integrated, system operating temperature supports -20 up to +60°C, suitable for major

DC12V～24V Power input
DC 12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Dual Ethernet port standard configuration
There are 2 intel Ethernet ports with high speed EtherCAT and jumbo frames support.

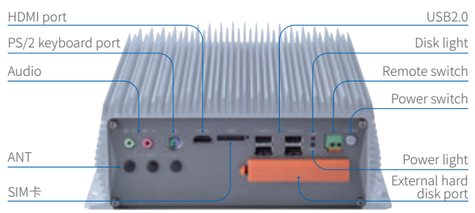
4×RS232, 2×RS232/485
8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

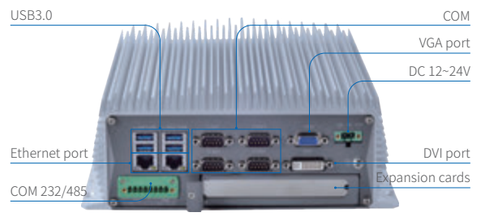
2 Mini PCIe expansion slots
Rapid expansion CAN, ProfiBUS, FieldBus and other field bus, or 3G / 4G, WIFI, GPS communication module.

Multi-network ports and serial port expansion
Up to 6 Gigabit Ethernet ports and 12 RS232 / 485 serial ports.

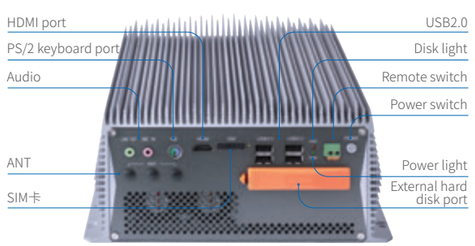
Remote power ON/OFF
Reseved PS-ON terminal on the front/real panel (only one available).

Fast maintenance design of disk
Product is with modular design structure,easy for maintenance and upgrade.





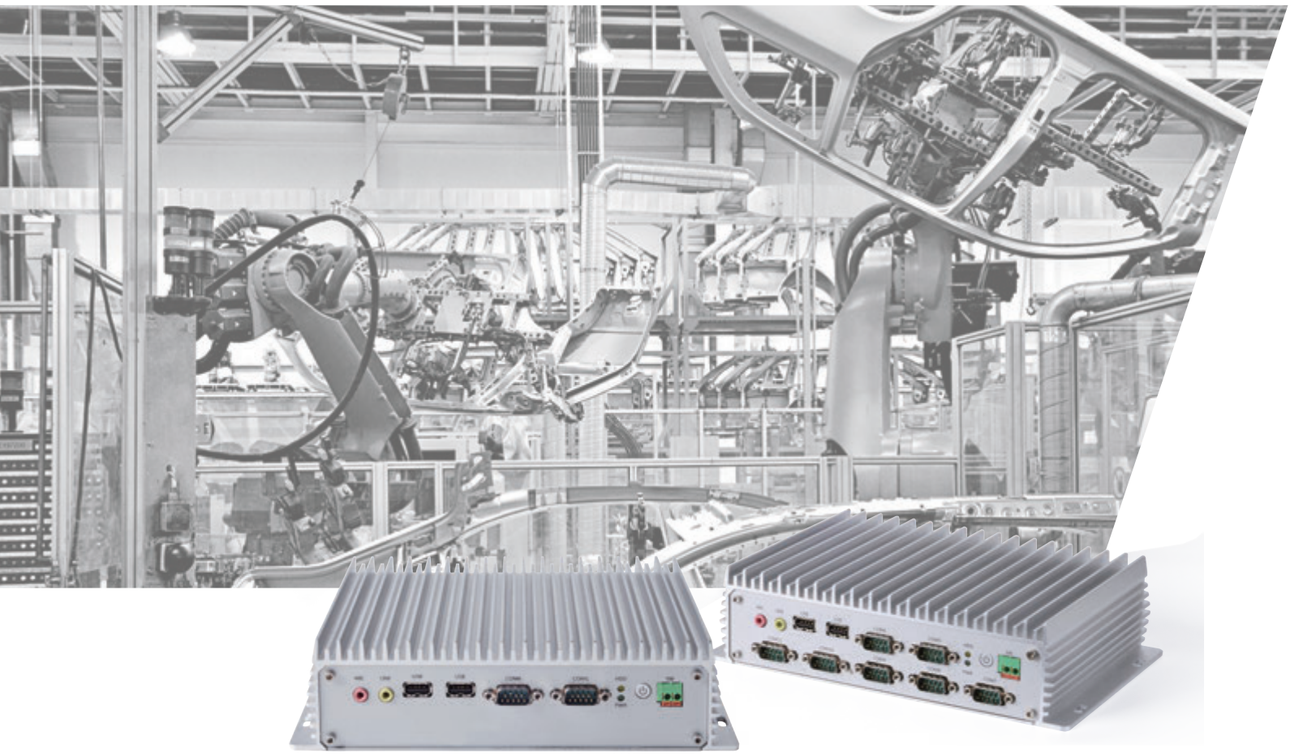
eBOX-3000



eBOX-3000H

eBOX-32XX SERIES

Fanless PC with Low power consumption Intel® Celeron® J1900 CPU



eBOX-32XX series is a fanless industrial computer based on Intel® Celeron® J1900 processor, there are a lot of I/O ports, such as 2 GeLAN,6 USB2.0/3.0, VGA, HDMI and 6/11 RS232 or RS485. Without cable design inside, compact and rugged box with large aluminum fins design, be able to ensure the reliability and heat dissipation.

- OS : Windows XP/XPE, Windows7/WES7, Windows10 and Linux.

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Rugged and fanless design
Sealed box with excellent cooling system.

Wide Work Temperature：-20°C～60°C
Product is with wide temperature components integrated, system operating temperature supports -20 up to +60°C, suitable for major

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

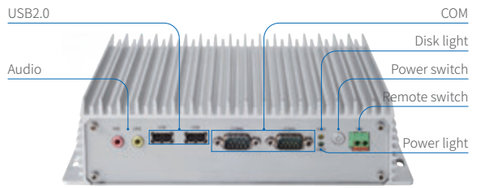
Dual Ethernet port standard configuration
2 built-in Realtek Gigabit Ethernet ports.

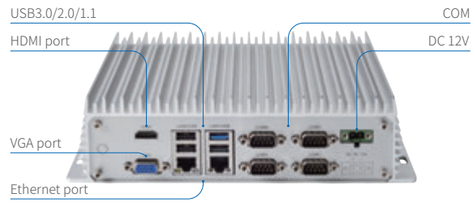
Fastened power connector
DC12V power input, with over-current, overvoltage and reverse protection measures, the interface using.

Optional multi-serial configuration
Standard configuration of 6 serial ports, up to 11.

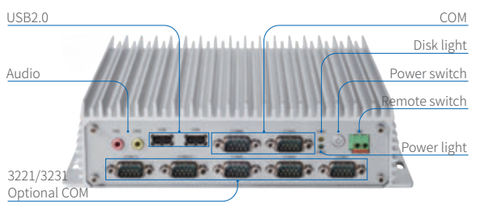
Support synchronous or asynchronous Display
There VGA + HDMI display interfaces, support synchronous or asynchronous Display.

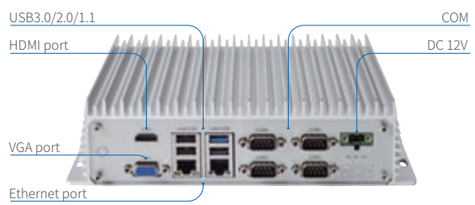
Remote power ON/OFF
Reseved PS-ON terminal on the front/real panel (only one available).





eBOX-3230





eBOX-3231

eBOX-3310

Fanless mini PC with Intel® Celeron® J6412 / 4205U / J1900 / Core™ i5 7200U Low-power processor

eBOX-3310 is a Fanless industrial computer based on Intel® Celeron® J6412 / 4205U / J1900 / Core™ i5 7200U processor. CPU and memory designed with modular, All I / O are wide temperature chip, 2 Intel Gigabit Ethernet ports, 4 USB2.0 / 3.0 interfaces, VGA / DVI display interface, 2 RS232 / 485 serial ports, DC12 / 24 power input, and the design of Disk, BIOS battery and RS232/485 setup are humanized because it is easy to replace and maintance. There are not cable inside that to ensure the reliability of products. eBOX-3310 is used aluminum alloy die-casting structure, compact design and both strong, especially for more complex and harsh industrial environment.

- OS : Windows7/WES7, Windows10, Linux, Vxworks and QNX。

Rugged and fanless design
Sealed aluminum magnesium alloy die casting box with excellent cooling system.

Wide work temperature：-20°C～60°C
Product is with wide temperature components integrated, system operating temperature supports -20 up to +60°C, suitable for major.

Quickly to do functional setup and maintenance
The case is designed for quick maintenance that a special location of the BIOS battery and RS232/485 jumper for setup and maintenance but not open the machine.

Fast maintenance design of disk
Product is with modular design structure,easy for maintenance and upgrade.

Dual Ethernet port standard configuration
There are 2 intel Ethernet ports with high speed EtherCAT and jumbo frames support.

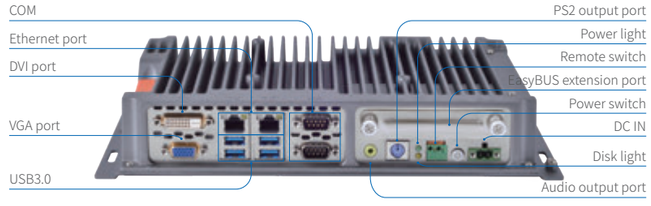
DC12V～24V Power input
DC 12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

CPU and memory modular design
Core i3/i5/i7/CeleronCeleron core module configuration for product maintenance and upgrades.

2×RS232/485
8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

Expansion of CAN, Pro BUS, FieldBus and other bus modules
Host design Easybus expansion mechanism, so that customers through the Mini PCIe to achieve a variety of industrial field bus interface.

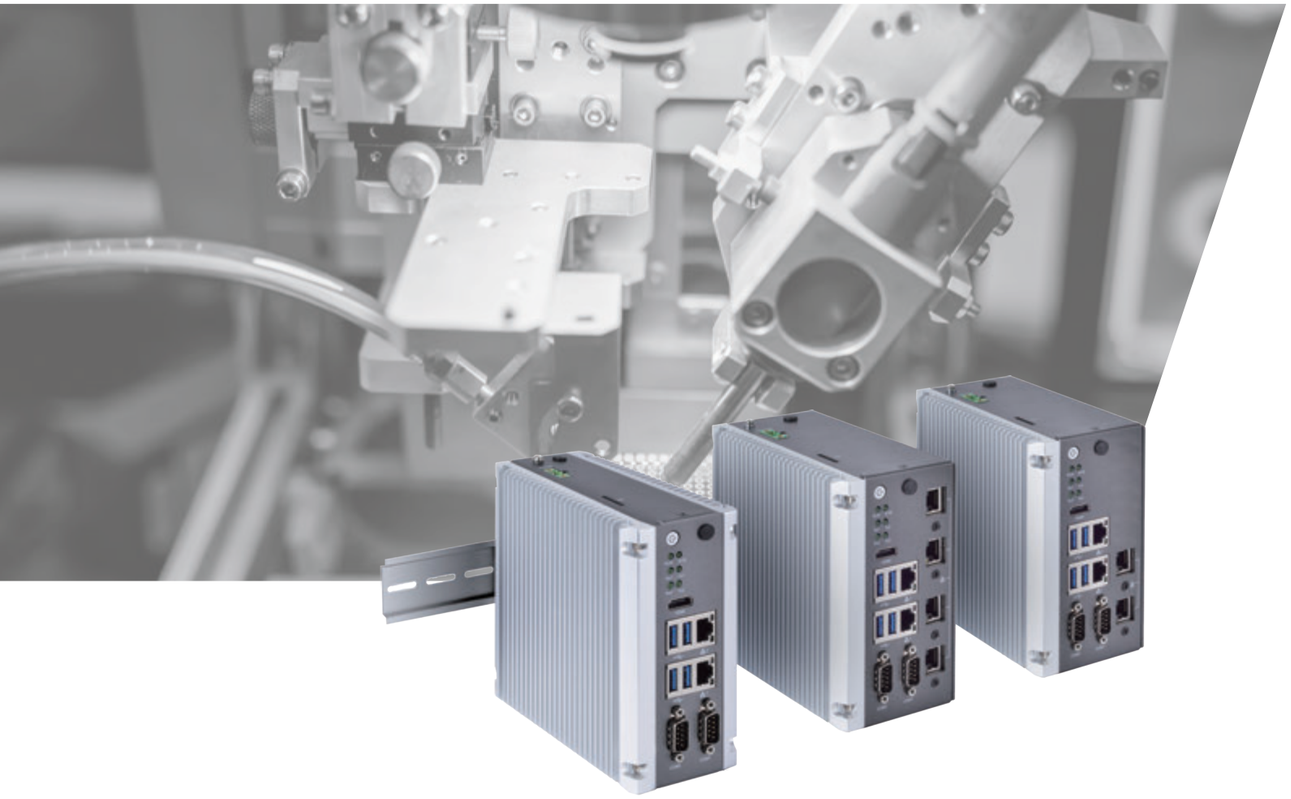
Remote power ON/OFF
Reseved PS-ON terminal on the front/real panel (only one available).



eBOX-3310

eBOX-3560

DIN rail fanless mini PC Intel® Celeron® J3355 Low-power processor



eBOX-3560 is a fanless mini PC based on Intel® Celeron® J3355 lowpower processor, with DIN rail mounting,Large aluminum fin radiator and without cable inside design. Onboard CPU and SODIMM momory, there are 2 Intel Ethernet slots, optional 4LAN or 6LAN. There are 4 USB2.0/3.0 ,HDMI and 2RS232/485. It support DC9V~24V power input with over current, over voltage, surge and reverse connection protection.It is suitable for IOT industrial gateway, machine vision, EtherCAT motion control and other applications.

- OS : Windows10 and Linux.

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Rugged and fanless design

Sealed box with excellent cooling system, din-rail is a better way to mount in the control cabinet.

Wide work temperature：-20°C～60°C

Product is with wide temperature components integrated, system operating temperature supports -20 up to +60°C, suitable for major.

DC 9V～24V Power input

DC 9V ～ 24V power input, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Dual Ethernet port standard configuration

There are 2 intel Ethernet ports with high speed EtherCAT and jumbo frames support.

2 COM ports can be set to 2 RS232 or RS485

8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

2 Mini PCIe expansion slots

Rapid expansion CAN, ProfiBUS, FieldBus and other field bus, or 3G / 4G, WIFI, GPS communication module.

Multi-network ports available

Up to 6 Gigabit Ethernet ports and 8 RS232 / 485 serial ports.

eBOX-3560

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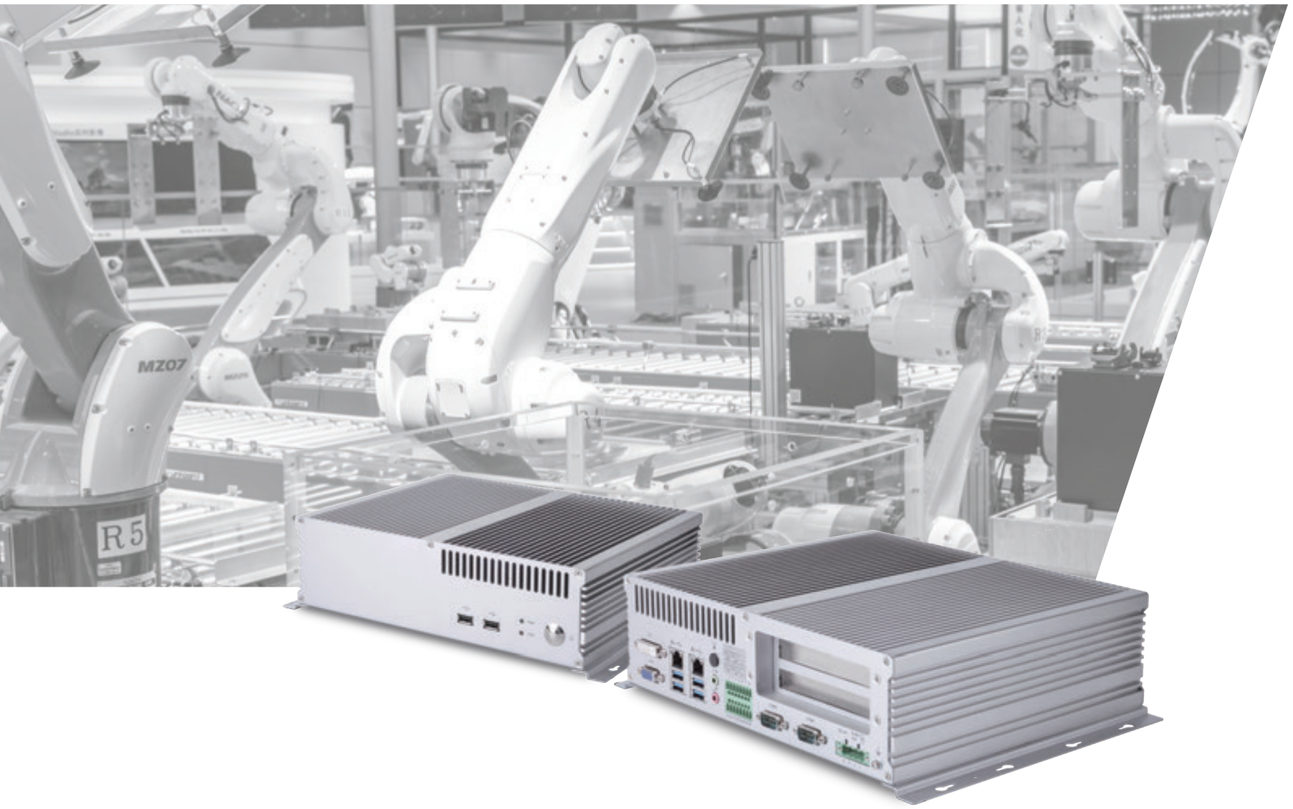
eBOX-3622-H

Fanless Mini PC with Intel® the 4th Gen. Core™i3 i5 i7,Pentium® and Celeron® CPU



eBOX-3622-H is based on high-performance Intel® Core™ 4th i7 / i5 / i3 / Pentium® / Celeron® desktop processor fanless industrial computer, two dual-channel SODIMM slot, maximum support 16GB memory, support SATA2.0 / 3.0 hard drive and MSATA SSD Electronics I / O includes 2 Intel Gigabit Ethernet ports, 6 USB2.0 / 3.0 ports, 4 RS232 and 2 RS232 / 485 serial ports, VGA / DVI display interface and support synchronous or asynchronous Display. 2PCI / PCIe bus slots, so customers can expand a variety of function boards, it is suitable for CNC systems, robots, machine vision and image video analysis and other industries.

- OS : Windows7, Windows10 and Linux.

Rugged and fanless design

Sealed box with excellent cooling system, Din-rail is a better way to mount in the control cabinet.

Wide work temperature：-20°C～60°C

Product is with wide temperature components integrated, system operating temperature supports -20 up to +60°C, suitable for major

Flexible expansion of PCI, PCIe and Mini-PCIe expansion

There are 2 expansion slots, optional 2 PCI slots or 1PCI+1PCIe, user friendly design of external accessible HDD and expansion card modules, less cable connection and easy for assembly and maintenance.

Fast maintenance design of disk

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

Dual Ethernet port standard configuration

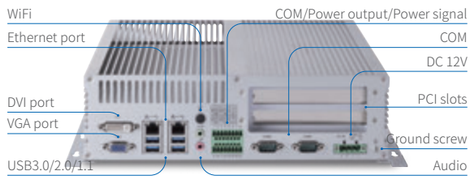
There are 2 intel Ethernet ports with high speed Ether-CAT and jumbo frames support.

4×RS232, 2×RS232/485

8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

Remote power ON/OFF

Reseved PS-ON terminal on the front/real panel (only one available).



eBOX-3622-H

eBOX-3625

Fanless mini PC withIntel® Core™ i3/i5/i7/Pentium® /Celeron® High performance processor

eBOX-3625 is based on high-performance Intel® Core™ 6/7/8/9th generation i3/i5/i7，Pentium® and Celeron® desktop processor fanless industrial computer, two dual-channel SODIMM slot, maximum support 32GB memory, support MSATA SSD Electronics I / O includes 3 Intel Gigabit Ethernet ports, 4 USB3.0 / 2.0/1.1 ports, 2 RS232 / 485 serial ports, DVI display interface，1 e-LINK sender Port，support Integrated remote transmission sender module. There is 1 minPCIE can expand CAN，4G, WIFI and Bluetooth communication module.1 PCI and 1 PCIe bus slots, so customers can expand a variety of function boards, it is suitable for CNC systems, robots, machine vision and image video analysis and other industries.

- OS : Windows10 and Linux.

INtime for Windows　EC Win　QNX SOFTWARE SYSTEMS　VxWorks WIND RIVER

Windows Embedded　CE　FC　RoHS COMPLIANT 2002/95/EC

Rugged and fanless design

Sealed box with excellent cooling system.

Wide work temperature：-20°C～60°C

Product is with wide temperature components integrated, system operating temperature supports -20 up to +60°C, suitable for major

Software dongle design

Vertical USB interface is provided inside the machine to prevention of loss.

e-LINK sender Port

Integrated Remote transmission sender module achieving long distance transmission up to 100 meters which working with Nodka integrated.

3 Ethernet portS standard configuration

There are 3 Intel Ethernet ports support high speed EtherCAT and jumbo frames support.

2×RS232/485

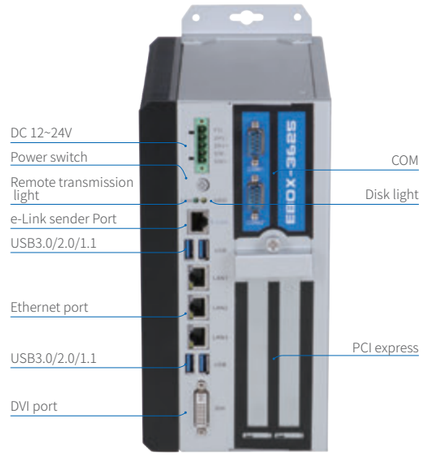
8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

DC12V～24V Power input

DC 12V power input, optional DC24V, with surge power, over voltage and reverse polarity protection, with phoenix terminal contact.

Fastening type SODIMM memory slot

To solve the industrial computer failure caused by poor contact in the vibration environment and transport process.



eBOX-3625

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eBOX-3000 SERIES

Model No.		eBOX-3000	eBOX-3000H
Processor	CPU	Intel® Core™ 6/7/8/9th generation i7 / i5 / i3 / Pentium® / Celeron® , LGA1151	
	Chipset	Intel H110 Express Chipset	
	BIOS	AMI UEFI 64M bit	
Memory	Architecture	DDR4-2400MHz	
	Capacity	Up to 32GB	
	DIMM	2×260-pin SODIMM	
Display	VGA	Up to 1920×1200	
	DVI	Support 1920×1200	
	HDMI	1920×1200	
	Display	Yes, VGA + DVI + HDMI	
LAN	LAN1	Intel GbE LAN controller	
	LAN2	Intel GbE LAN controller	
Audio	Port	Optional	
	Amplifier	N/A	
I/O	COM	6×RS232(COM5~COM6 Optional RS-485)	
	LPT	N/A	
	USB	4×USB3.0/2.0/1.1, 4×USB2.0/1.1	
Other	Digital IO	N/A	
	WatchDog	255 seconds programmable	
Expansion slot	MiniPCIe	2×full size PCIe with SIM holder	
	PCIe & PCI	1×PCIe x16 slot or 1×32bits PCI	
Storage Medium	HDD	1×2.5" HDD Bay (Max rate SATA III 6.0 Gb/s)	
	SSD	1×MSATA	
OS	OS	Windows 7, Windows 10, Linux	
Power	Type	AT	
	Input voltage	DC 12~24V ±10%	
	Minimum Input	12V/10A, 120W	
	Power Adapter	Optional	
Power Dissipation	No-load	27Watt	
	Full-load	55Watt (According to the CPU set, total power not exceeding 100W	
Mechanism Parameters	Box structure	Aluminum alloy BOX	
	Mounting	Support Desktop and Wall-mounted mounting	
	Dimensions (L×W×H)	240mm×240mm×95mm (9.45"×9.45"×3.74")	242mm×240mm×117.73mm (9.53"×9.45"×4.64")
	Net weight	4.00kg (8.82lb)	4.6kg(10.14lb)
Environmental	Work Temperature	-20 ~ 60°C (-4°F~140°F) (Wide temperature SSD), 0 ~ 45°C (32°F~113°F) (General temperature HDD/SSD)	
	Storage Temperature	-40 ~ 80°C (-40~176°F)	
	Relative humidity	5 ~ 95% (Non-condensation)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class A	
	Safety Certification	CCC	

eBOX-32XX SERIES

Model No.		eBOX-3230	eBOX-3231
Processor	CPU	Intel® Celeron® J1900	
	Frequency	Quad core 2.0GHz	
	L2 Cache	2MB	
	Chipset	Intel Bay trail SOC	
	BIOS	AMI UEFI 64Mbit	
Memory	Architecture	DDR3L-1333MHz	
	Capacity	Up to 8GB	
	DIMM	1×SODIMM	
Display	Graphics controller	Intel® HD Graphic Core	
	Graphics engine	DirectX 9 and OpenGL3.0 support；Hardware Encode/Decode: MPEG2；Hardware Encode/Decode: H.264/VC1/MVC	
	VGA	Up to 1920×1200	
	DVI	N/A	
	HDMI	Supports HDMI v1.3 up to 1080P, Max. data rate 1.65 Gb/s	
	Display	Yes, VGA + HDMI	
LAN	LAN1	Realtek GbE LAN controller	
	LAN2	Realtek GbE LAN controller	
Audio	Port	Optional	
	Amplifier	N/A	
I/O	COM	COM1 (RS232/485 optional), COM2~6 (RS232)	COM1、COM7~COM10 (RS232/485 optional) COM2~COM6、COM11、COM12 (RS232, COM12 built-in)
	LPT	N/A	
	USB	1×USB3.0/2.0/1.1, 5×USB2.0/1.1	
Other	Digital IO	8×GPIO	
	WatchDog	0~255 seconds programmable	
Expansion slot	MiniPCIe	1×full size PCIe with SIM holder	
	PCIe & PCI	N/A	
Storage Medium	HDD	1 ×2.5" HDD Bay (Max rate 300MB/s)	
	SSD	1×full size mSATA SSD	
OS	OS	Windows 7, Windows 10, Linux	
Power	Type	AT	
	Input voltage	DC 12V ±10%	
	Minimum Input	12V, 3A	
	Power Adapter	AC to DC, DC 12V/5A, 60W (Optional)	
Power Dissipation	No-load	15 Watt	
	Full-load	31 Watt	
Mechanism Parameters	Box structure	Hydronalium outer skin	
	Mounting	D esktop m oun ting, W all m oun ting	
	Dimensions (L×W×H)	234mm×150mm×60mm (9.21"×5.91"×2.36")	
	Net weight	1.42kg (3.13lb)	1.50kg (3.31lb)
Environmental	Work Temperature	-20 ~ 60°C (-4°F~140°F) (Wide temperature SSD), 0 ~ 45°C (32°F~113°F) (General temperature HDD/SSD)	
	Storage Temperature	-40 ~ 80°C (-40~176°F)	
	Relative humidity	5 ~ 95% (Non-condensation)	
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64	
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27	
	EMC	CE/FCC Class A	
	Safety Certification	CCC	

eBOX-3310

Model No.		eBOX-3310
Processor	CPU	Intel® Celeron® J6412 / 4205U / J1900 / Core™ i5 7200U
	Frequency	Quad core 2.0GHz / Dual Core 1.8GHz / Quad core 2.0GHz / Dual Core 2.5GHz
	L2 Cache	1.5MB/2MB/2MB/3MB
	Chipset	Integrated PCH-LP
	BIOS	-
Memory	Architecture	DDR4-2400MHz / DDR4-2400MHz / DDR3L-1333MHz / DDR3L-1600MHz
	Capacity	Up to 16GB / Up to 16GB / Up to 8GB / Up to 8GB
	DIMM	1×SODIMM
Display	Graphics controller	-
	Graphics engine	-
	VGA	1920×1200 @ 60Hz or 2048×1152 @ 60Hz with reduced blanking
	DVI	1920×1200 @ 60Hz or 2048×1152 @ 60Hz with reduced blanking
	HDMI	N/A
	Display	Yes, VGA + DVI/Yes, VGA + HDMI
LAN	LAN1	Intel GbE LAN controller
	LAN2	Intel GbE LAN controller
Audio	Port	Optional
I/O	LPT	2×RS232/485 (Max to 6 from EasyBUS)
	USB	4×USB3.0/2.0/1.1
Other	Digital IO	16×GPIO(Optional)
	WatchDog	255 seconds programmable
Expansion slot	MiniPCIe	1×full size PCIe with SIM holder
	PCIe & PCI	N/A
Storage Medium	HDD	1 ×2.5" HDD Bay (Max. rate 300MB/s)
	SSD	1×full size mSATA SSD
OS	OS	Windows 7, Windows 10, Linux
Power	Type	AT
	Input voltage	DC 12-24V ±10%
	Minimum Input	12V, 3A
	Power Adapter	AC to DC, DC 12V/5A, 60W (Optional)
	Power consumption	5-30W
Mechanism Parameters	Box structure	Aluminum-magnesium alloy BOX
	Mounting	Support Desktop,Wall-mounted and VESA mounting
	Dimensions (L×W×H)	297mm×184mm×50mm (11.69"×7.24"×1.97")
	Net weight	2.56KG
Environmental	Work Temperature	-20 ~ 60°C (-4°F~140°F) (Wide temperature SSD), 0 ~ 45°C (32°F~113°F) (General temperature HDD/SSD)
	Storage Temperature	-40 ~ 80°C (-40~176°F)
	Relative humidity	5 ~ 95% (Non-condensation)
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27
	EMC	CE/FCC Class A
	Safety Certification	CCC

eBOX-3560

Model No.		eBOX-3560
Processor	CPU	Intel® Celeron® J3355
	Frequency	Dual core 2.0GHz
	L2 Cache	2MB
	Chipset	-
	BIOS	AMI UEFI 128Mbit
Memory	Architecture	DDR3L-1666MHz
	Capacity	Up to 8GB
	DIMM	1×SODIMM
Display	Display controller	Integrated graphics media accelerator
	HDMI	4096×2160@30Hz
LAN	LAN1	Intel GbE LAN controller
	LAN2	Intel GbE LAN controller
I/O	Port	2×RS232(RS232/485 Optional)
	LPT	N/A
	USB	4×USB3.0/2.0/1.1
Other	Digital IO	N/A
	WatchDog	255 seconds programmable
Expansion slot	MiniPCIe	2× full size MiniPCIe with SIM holder
	PCIe & PCI	N/A
Storage Medium	SSD	1×full size mSATA SSD
OS	OS	Windows 10 64bit, Linux
Power	Type	AT
	Input voltage	DC 9~24V
	Minimum Input	12V, 3A
	Power Adapter	Optional
Power Consumption	No-load	15 Watt
	Full-load	31 Watt
Mechanism Parameters	Box structure	Aluminum alloy BOX
	Mounting	Din-rail
	Dimensions (L×W×H)	145mm x 145mm x 75mm (5.71" x 5.71" x 2.95")
	Net weight	1.6KG
Environmental	Work Temperature	-20 ~ 60°C (-4°F~140°F) (Wide temperature SSD), 0 ~ 45°C (32°F~113°F) (General temperature HDD/SSD)
	Storage Temperature	-40 ~ 80°C (-40~176°F)
	Relative humidity	5 ~ 95% (Non-condensation)
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27
	EMC	CE/FCC Class A
	Safety Certification	CCC

eBOX-3622-H

Model No.		eBOX-3622-H
Processor	CPU	Intel® Core™ 4th i7 / i5 / i3 / Pentium® / Celeron® , LGA1150
	Frequency	1.4GHz~3.3GHz
	L2 Cache	Up to 8MB
	Chipset	Intel H81
	BIOS	AMI UEFI 64Mbit
Memory	Architecture	DDR3-1066 / 1333 / 1600MHz (Only Ivy bridge can fit for 1600MHz)
	Capacity	Up to 16GB
	DIMM	2×SODIMM
Display	Graphics controller	-
	Graphics engine	-
	VGA	Up to 1920×1200
	DVI	Support 1920×1200
	HDMI	N/A
	Display	Yes, VGA + DVI
LAN	LAN1	Intel GbE LAN controller
	LAN2	Intel GbE LAN controller
Audio	Port	Optional
	Amplifier	N/A
I/O	COM	6×RS232 COM (COM3~COM4 optional RS485, PIN9 optional +5V/+12V/RI)
	LPT	N/A
	USB	4×USB3.0/2.0/1.1, 2×USB2.0/1.1
Other	Digital IO	16×GPIO
	WatchDog	Level 0~255 is programmable
Expansion slot	MiniPCIe	1×full size PCIe with SIM holder
	PCIe & PCI	1×32bits PCI slot + 1×PCIe×4 slot(option×16) / 2×32bits PCI slot / 1×PCIe×1 slot + 1×PCIe×16 slot
Storage Medium	HDD	1×2.5" HDD Bay (Max. rate 3Gb/s)
	SSD	1×mSATA
OS	OS	Windows 7, Windows 10, Linux
Power	Type	AT
	Input voltage	DC 12V ±10%
	Minimum Input	12V, 6A
	Power Adapter	AC to DC, DC12V/10A, 120W
Power Consumption	No-load	27Watt
	Full-load	55Watt (depending on the CPU)
Mechanism Parameters	Box structure	Hot dip galvanized sheet steel shel
	Mounting	Desktop mounting, Wall mounting
	Dimensions (L×W×H)	285mm×240mm×82mm (11.22"×9.45"×3.23")
	Net weight	4.7kg (10.36lb)
Environmental	Work Temperature	-20 ~ 60°C (-4°F~140°F) (Wide temperature SSD), 0 ~ 45°C (32°F~113°F) (General temperature HDD/SSD)
	Storage Temperature	-40 ~ 80°C (-40~176°F)
	Relative humidity	5 ~ 95% (Non-condensation)
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27
	EMC	CE/FCC Class A
	Safety Certification	CCC

eBOX-3625

Model No.		eBOX-3625
Processor	CPU	Intel® Core™ 6/7/8/9th generation i7 / i5 / i3 / Pentium®/ Celeron® , LGA1151, MAX TDP 65W
	Frequency	Intel H110 Express Chipset
	BIOS	AMI UEFI 64Mbit
Memory	Architecture	DDR4-2400MHz
	Capacity	Up to 32GB
	DIMM	2×260-pin SODIMM
eLINK port	e-LINK sender Port	Integrated display signal, USB signal, touch screen signal
Display	Graphics controller	-
	Graphics engine	-
	VGA	Requires a DVI-D to VGA adapter
	DVI	Support 1920×1080
	HDMI	Requires a DVI-D to HDMI adapter
	Display	N/A
LAN	LAN1	Intel GbE LAN controller
	LAN2	Intel GbE LAN controller
	LAN3	Intel GbE LAN controller
Audio	Port	N/A
	Amplifier	N/A
I/O	COM	2×RS232/485 selectable
	LPT	N/A
	USB	4×USB3.0/2.0/1.1
Other	Digital IO	N/A
	WatchDog	255 seconds programmable
Expansion slot	MiniPCIe	1×full size PCIe with SIM holder
	PCIe & PCI	1×PCIe×16 slot + 1×PCI
Storage Medium	HDD	N/A
	SSD	1×MSATA
OS	OS	Windows 10, Linux
Power	Type	AT
	Input voltage	DC 12~24V ±10%
	Minimum Input	12V/10A, 120W
	Power Adapter	Optional
Power Consumption	No-load	27Watt
	Full-load	55Watt (depending on the CPU)
Mechanism Parameters	Box structure	Aluminum alloy BOX
	Mounting	Support Desktop and Wall-mounted mounting
	Dimensions (L×W×H)	238mm×191.5mm×120mm
	Net weight	3.5KG
Environmental	Work Temperature	-20 ~ 60°C (-4°F~140°F) (Wide temperature SSD), 0 ~ 45°C (32°F~113°F) (General temperature HDD/SSD)
	Storage Temperature	-40 ~ 80°C (-40~176°F)
	Relative humidity	5 ~ 95% (Non-condensation)
	Vibration	Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64
	Shock	Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27
	EMC	CE/FCC Class A
	Safety Certification	CCC

NP Series Control Cabinet Industrial PC

High performance, Extremely space-saving and Flexible

The NP series of ultra-compact scalable Industrial PC combines maximum computing power in which is the most compact format with a wide range of options for installation in the control cabinet. It is ideally suited for Machine Vision, Motion Control, Robots and Smart Gateway application, some scalable IO boards have been developed for these automation control industry.

The NP series based on the latest Intel processor, in different performance from Intel Celeron quad-core to Core i7 with 8 cores, it used NODKA COMLAC Inside design, which offer maximum scalability and upgrade to the latest processor but without any chassis change, it is a popular product with an optimal price-performance ratio.

The NP series can work well with INtime, VxWorks, RTX, EC-Win and Linux system, optimized all of the BIOS settings.

NP-6111 Series

NP-6122 Series

NP-6123 Series

NP-6125 Series

NP-6111 SERIES

Ultra-compact Control Cabinet Fanless Industrial PC with Low-power consumption processor

Based on Intel® Celeron® / Intel Atom® processor, include various interfaces for industry application, such as 2 Intel Gigabit Ethernet which support Ether-CAT and Jumbo frames, 1 USB 3.0 and 3 USB 2.0, as well as 1 USB inside for dangle, 2 optical electrical isolation RS232/485, and option other PCI express, USB and COM ports for expansion, in order to meet most of requirements for special applications.

- NP-6111 series widely used in Motion Control, Smart Gateway, Instrument Data terminal, Machine Vision and other automation control application.

INtime for Windows · EC Win · QNX Software Systems · VxWorks® Wind River · CODESYS · Windows Embedded · CE · FC · RoHS Compliant 2002/95/EC

Compact design with rugged aluminum alloy housing

Book style with ultra-compact, sealed housing with fanless design.

Fanless Design

Fanless design but working temperature is -20 to 60°C.

CPU and memory modular design

Celeron core module configuration for product maintenance and upgrades.

2×RS232/485

8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

No cable design

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

Extremely space-saving and Flexible

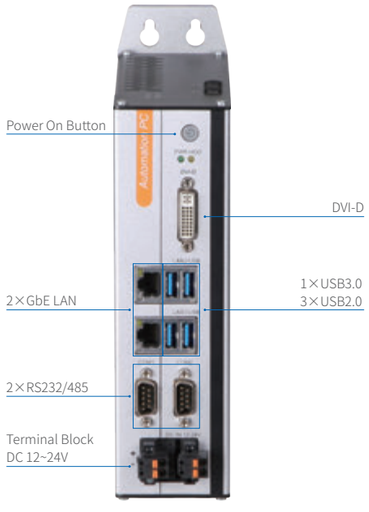
Flexible for CAN Bus, PoE LAN, Digital IO, Light source control and additional LAN port expansion.

Wide voltage power supply: DC12V~24V

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

Flexible mounting

Book style with wall mounting, option Din-rail mounting so that the user can easily move the PC into the optimal position.



NP-6111

miniPCIe Expansion Slot

Internal USB2.0 for USB Dongle

Easy to switch RS232/RS485

Customized Logo

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NP-6111 SERIES

Model No.		NP-6111	NP-6111-JH2
System	CPU	Intel® Celeron® J1900 / J3455 / J6412	
	CPU specification	2.0GHz, 4 cores, 4threads, 2MB L2 cache / 1.5~2.3GHz, 4 cores, 4threads, 2MB L2 cache / 2.0~2.6GHz, 4 cores, 4 threads, 1.5MB L2 cache	
	TDP	10W	
	BIOS	AMI UEFI 64Mbit	
	Memory	J1900/J3455：1×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	
	PoE	-	2×Intel GbE PoE LAN controller, max. 15W per channel
	DI	-	8×DI NPN/PNP, isolated 2500 Vrms
	DO	-	8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
	CAN	-	-
	Light Control	-	4×PWM Light power control with external trigger input, Imax: 1A per channel
Display	DVI-D	Support up to 1920×1080	
Audio	Line-out	-	
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 7, Windows 7 Embedded, 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	Max. 45W	Max. 120W
Chassis	Structure	Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail	
	Dimensions(L×W×H)	200mm×154.5mm×57.6mm	200mm×154.5mm×74.6mm
	Net Weight	1.6Kg	2.1Kg
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-20°C ~ 60°C (-4°F~140°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-JH2B	NP-6111-JH3	NP-6111-JH4
Intel® Celeron® J1900 / J3455 / J6412		Intel® Celeron® J1900 / J3455
2.0GHz, 4 cores, 4threads, 2MB L2 cache / 1.5~2.3GHz, 4 cores, 4threads, 2MB L2 cache / 2.0~2.6GHz, 4 cores, 4 threads, 1.5MB L2 cache		
10W		
AMI UEFI 64Mbit		
J1900/J3455：1×SO-DIMM DDR3L-1333MHz, (Max. 8GB) / J6412：1×SO-DIMM DDR4-2400MHz(Max. 16GB)		
1× mSATA bay		
4×USB, 1×USB2.0 Type A on the board for USB dongle	8×USB, 1×USB2.0 Type A on the board for USB dongle	4×USB, 1×USB2.0 Type A on the board for USB dongle
2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	2×RS232/RS485, 8×RS485(Phoenix Contators), RS485 support auto flow control, ESD protection for RS232
2×Intel GbE Ethernet		
2 x Intel GbE PoE LAN controller, max. 15W per channel	-	-
16×DI NPN/PNP, isolated 2500 Vrms	8×DI NPN/PNP, isolated 2500 Vrms	8×DI NPN/PNP, isolated 2500 Vrms
16×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms	8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms	4 x Relay DO, Normally Open, 30VDC(Imax: 1.0A)/ 60VDC(Imax: 0.3A)/125VAC(Imax: 0.5A)
-	2 x isolated CAN Bus 2.0 A/B	-
-		
Support up to 1920×1080		
-		
1×Full-size PCIe Mini slot with SIM card holder(with USB signal)		
1~255 levels programmable		
Windows 7, Windows 7 Embedded, Windows 10 IoT		
Ubuntu, CentOS, Debian		
DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection, (Must be DC24V when using Light Control)		
Max. 80W	Max. 60W	Max. 45W
Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail		
200mm×154.5mm×74.6mm		
2.1Kg		
-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)		
-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)		
5~95%(Non-condensing)		
Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64		
Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27		
CE/FCC Class A		

NP-6122 SERIES

Ultra-compact Control Cabinet Industrial PC with High performance processor

NP-6122 series is a high performance book style Industrial PC which use for Automation and Machine Vision industry. It is a COMLAC design which include courier board, CPU board and option different IO boards, equipped with the latest Intel® Core™ i3, i5, i7 and Pentium processor, COMLAC design means offer maximum scalability and upgrade to the latest processor but without any chassis change. There are 2 Intel gigabit LAN ports, 2 RS232/485 ports, option DVI-D and HDMI display port, 4 USB 3.0 ports at the courier board, and an internal USB2.0 port for USB dongle, DC12~24V power input. Accept customized service for IO board in order to meet the various hardware requests, all of the IO ports are located in one side, it is convenient for wiring and maintenance. Rugged aluminum alloy and sealed housing, build in separately fan space, both make the product more reliable.

NP-6122 is widely used for 3C, pharmaceutical machinery, packaging machinery, automatic checkout test equipment, robots, motion control, intelligent transportation and other fields.

INtime for Windows · EC Win · QNX Software Systems · VxWorks WIND RIVER · CODESYS · Windows Embedded · CE · FC · RoHS COMPLIANT 2002/95/EC

Compact design with rugged aluminum alloy housing

Book style with ultra-compact, sealed housing with fanless design.

2×RS232/485

8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

CPU modular design

Latest processor with modular design, very easy for maintenance and upgrade.

Extremely space-saving and Flexible

Flexible for CAN Bus, PoE LAN, Digital IO, Light source control and additional LAN port expansion.

No cable design

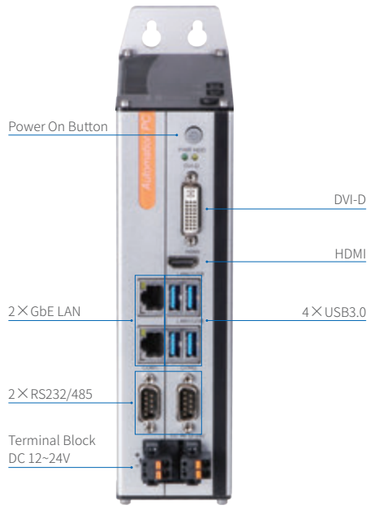
Using high quality connector between the boards, reliability and stability for no cable connection design.

Flexible mounting

Book style with wall mounting, option Din-rail mounting so that the user can easily move the PC into the optimal position.

Wide voltage power supply: DC12V~24V

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



NP-6122

miniPCIe Expansion Slot

Internal USB2.0 for USB Dongle

Easy to switch RS232/RS485

Customized Logo

info@belsati.com

(+34) 93 752 08 56

NP-6122 SERIES



Model No.		NP-6122	NP-6122-H1	NP-6122-H1B
System	CPU	Intel® Core™ 6th/7th/8th gen i7/i5/i3/Pentium/Celeron LGA1151 type CPU		
	TDP	Max. 65W		
	BIOS	AMI UEFI 64Mbit		
	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		
	PoE	-	4×Intel GbE PoE LAN controller, max. 15W per channel	
	DI	-	8×DI NPN/PNP, isolated 2500 Vrms	16×DI NPN/PNP, isolated 2500 Vrms
	DO	-	8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms	16×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms
	CAN	-		
	Light Control	-	4×PWM Light power control with external trigger input, Imax: 1A per channel	-
Display	DVI-D	Support up to 1920×1080		
	HDMI	Support up to 3840×2160		
Audio	Line-out	-		
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	Max. 120W	Max. 250W	Max. 200W
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail		
	Dimensions(L×W×H)	200mm×154.5mm×57.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm
	Net Weight	1.9Kg	2.4Kg	2.4Kg
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)		
	Storage Temperature	-20°C ~ 60°C (-4°F~140°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-JH2	NP-6122-JH3	NP-6122-JH4	NP-6122-8POE
Intel® Core™ 6th/7th/8th gen i7/i5/i3/Pentium/Celeron LGA1151 type CPU			
Max. 65W			
AMI UEFI 64Mbit			
2×SO-DIMM DDR4-2400MHz, max up to 32GB			
1×mSATA bay, 1×M.2(B Key, Type 2280) bay support SATA			
4×USB, 1×USB2.0 Type A on the board for USB dongle	4×USB, 4 x USB2.0 extended by PCIE x1. 1×USB2.0 Type A on the board for USB dongle	4×USB3.0, 1×USB2.0 Type A on the board for USB dongle	
2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	4×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	2×RS232/RS485, 8×RS485(Phoenix Contators),RS485 support auto flow control, ESD protection for RS232	2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232
2×Intel GbE LAN controller			
2×Intel GbE PoE LAN controller, max. 15W per channel	-	-	8×Intel GbE PoE LAN controller, max. 15W per channel
8×DI NPN/PNP, isolated 2500 Vrms	8×DI NPN/PNP, isolated 2500 Vrms	8×DI NPN/PNP, isolated 2500 Vrms	-
8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms	8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms	4×Relay DO, Normally Open, 30VDC(Imax:1.0A)/ 60VDC(Imax:0.3A)/125VAC(Imax:0.5A)	-
-	2×CAN Bus 2.0A/B, 1 x DB9(Female)	-	-
4×PWM Light power control with external trigger input, Imax: 1A per channel	-	-	-
Support up to 1920×1080			
Support up to 3840×2160			
-	Optional	-	-
1×Full-size PCIe Mini slot with SIM card holder(with USB signal)			
1~255 levels programmable			
Windows 10 IoT			
Ubuntu, CentOS, Debian			
DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection, (Must be DC24V when using Light Control)			
Max. 120W	Max. 120W	Max. 120W	Max. 250W
Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail			
200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm
2.4Kg	2.4Kg	2.3Kg	2.6Kg
-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)			
-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)			
5~95%(Non-condensing)			
Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64			
Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27			
CE/FCC Class A			

NP-6123 SERIES

Ultra-compact Control Cabinet Industrial PC for Robots Control application

NP-6123 series is a high performance book style Industrial PC which use for Automation and Machine Vision industry. It is a COMLAC design which include courier board, CPU board and option different IO boards, equipped with the latest Intel® Core™ i3, i5, i7 and Pentium processor, COMLAC design means offer maximum scalability and upgrade to the latest processor but without any chassis change. There are 4 Intel gigabit LAN ports, a RS232/485 port, option DVI-D and HDMI display port, 4 USB 3.0 ports at the courier board, and an internal USB2.0 port for USB dongle, DC12~24V power input. Accept customized service for IO board in order to meet the various hardware requests, all of the IO ports are located in one side, it is convenient for wiring and maintenance. Rugged aluminum alloy and sealed housing, build in separately fan space, both make the product more reliable.

NP-6123 is widely used for 3C, pharmaceutical machinery, packaging machinery, automatic checkout test equipment, robots, motion control, intelligent transportation and other fields.

INtime for Windows · EC Win · QNX Software Systems · VxWorks Wind River · CODESYS · Windows Embedded · CE · FC · RoHS Compliant 2002/95/EC

Compact design with rugged aluminum alloy housing

Book style with ultra-compact, sealed housing with fanless design.

CPU modular design

Latest processor with modular design, very easy for maintenance and upgrade.

No cable design

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

Wide voltage power supply: DC12V~24V

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

2×RS232/485

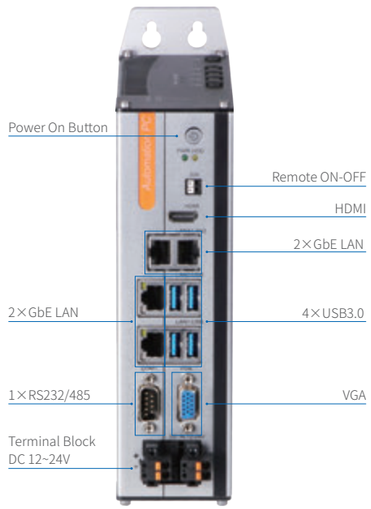
8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

Extremely space-saving and Flexible

Flexible for CAN Bus, PoE LAN, Digital IO, Light source control and additional LAN port expansion.

Flexible mounting

Book style with wall mounting, option Din-rail mounting so that the user can easily move the PC into the optimal position.



NP-6123

miniPCIe Expansion Slot

Internal USB2.0 for USB Dongle

Easy to switch RS232/RS485

Customized Logo

info@belsati.com

www.belsatisistemas.com

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NP-6123 SERIES

Model No.		NP-6123	NP-6123-HDD
System	CPU	Intel® Core™ 6th/7th/8th gen i7/i5/i3/Pentium/Celeron LGA1151 type CPU	
	TDP	Max。65W	
	BIOS	AMI UEFI 64Mbit	
	Memory	2×SO-DIMM DDR4-2400MHz, max up to32GB	
	Storage	1×mSATA bay	1×mSATA bay, 1×2.5"SATA SSD
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	
	PoE	-	
	DI	-	
	DO	-	
	CAN	-	
Display	Light Control	Support up to 1920×1200	
	DVI-D	Support up to 3840×2160	
Audio	HDMI	-	
Expansions	Line-out	2×Full-size PCIe Mini slot with SIM card holder(with USB signal)	
Other	Expansions	1~255 levels programmable	
	Watch Dog	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	Max.120W	Max.200W
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail	
	Dimensions(L×W×H)	200mm×154.5mm×57.6mm	200mm×154.5mm×74.6mm
	Net Weight	1.9Kg	2.4Kg
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)	
	Storage Temperature	-20°C ~ 60°C (-4°F~140°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-6123-MVS	NP-6123-MVS-L1	NP-6123-L4
Intel® Core™ 6th/7th/8th gen i7/i5/i3/Pentium/Celeron LGA1151 type CPU		
Max。65W		
AMI UEFI 64Mbit		
2×SO-DIMM DDR4-2400MHz, max up to32GB		
1×mSATA bay, 1×2.5"SATA SSD		
4×USB3.0, 1×USB2.0 Type A on the board for USB dongle		
2 x COM(DB-9), 1 x selectable to support RS232 or RS485 mode by the switch, RS485 support auto flow control, 1 x RS485		
4×Intel GbE LAN controller	5×Intel GbE LAN controller	8×Intel GbE LAN controller
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		-
Support up to 1920×1200		
Support up to 3840×2160		
-		
2×Full-size PCIe Mini slot with SIM card holder	1×Full-size PCIe Mini slot with SIM card holder	-
1~255 levels programmable		
Windows 7, Windows 7 Embedded, Windows 10 IoT		
Ubuntu, CentOS, Debian		
DC12~24V ±10%, overcurrent, overvoltage and polarity inverse protection, (Must be DC24V when using Light Control)		
Max. 200W	Max. 200W	Max. 200W
Aluminum-magnesium alloy box, Fanless, Wall-mounted or DIN-Rail		
200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm
2.4Kg	2.4Kg	2.4Kg
-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)		
-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)		
5~95%(Non-condensing)		
Operating Random Vibration Test 5~500Hz, 1.5Grms@with SSD, follow IEC 60068-2-64		
Operating 20G peak acceleration (11ms duration), follow IEC 60068-2-27		
CE/FCC Class A		

NP-6125 SERIES

Ultra-compact Control Cabinet Industrial PC with High performance processor

NP-6125 series is a high performance book style Industrial PC which use for Automation and Machine Vision industry. It is a COMLAC design which include courier board, CPU board and option different IO boards, equipped with the latest Intel® Core™ i3, i5, i7 and Pentium processor, COMLAC design means offer maximum scalability and upgrade to the latest processor but without any chassis change. There are 2 Intel gigabit LAN ports, 2 RS232/485 ports, option VGA and HDMI display port, 4 USB 3.0 ports at the courier board, and an internal USB2.0 port for USB dongle, DC12~24V power input. Accept customized service for IO board in order to meet the various hardware requests, all of the IO ports are located in one side, it is convenient for wiring and maintenance. Rugged aluminum alloy and sealed housing, build in separately fan space, both make the product more reliable.

NP-6125 is widely used for 3C, pharmaceutical machinery, packaging machinery, automatic checkout test equipment, robots, motion control, intelligent transportation and other fields.

INtime for Windows · EC Win · QNX Software Systems · VxWorks® Wind River · CODESYS · Windows Embedded · CE · FC · RoHS Compliant 2002/95/EC

Compact design with rugged aluminum alloy housing

Book style with ultra-compact, sealed housing with fanless design.

2×RS232/485

8KV electrostatic protection, 600W TVS surge protection, RS485 support automatic data flow control.

CPU modular design

Latest processor with modular design, very easy for maintenance and upgrade.

Extremely space-saving and Flexible

Flexible for CAN Bus, PoE LAN, Digital IO, Light source control and additional LAN port expansion.

No cable design

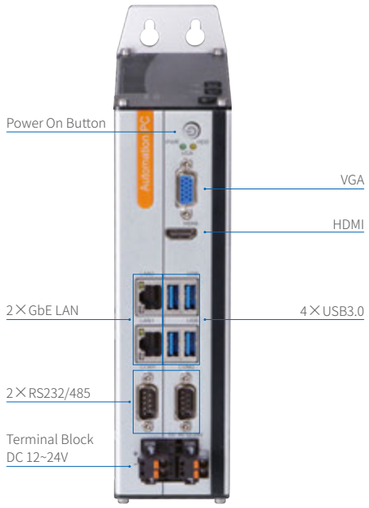
Using high quality connector between the boards, reliability and stability for no cable connection design.

Flexible mounting

Book style with wall mounting, option Din-rail mounting so that the user can easily move the PC into the optimal position.

Wide voltage power supply: DC12V~24V

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



NP-6125

miniPCIe Expansion Slot

Internal USB2.0 for USB Dongle

Easy to switch RS232/RS485

Customized Logo

NP-6125 SERIES



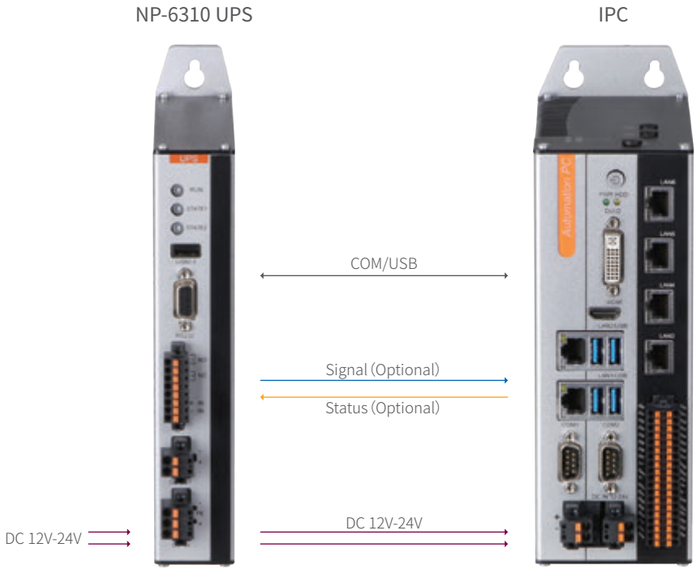




Model No.		NP-6125	NP-6125-H1	NP-6125-JH2	NP-6125-JH2B	NP-6125-JH3	NP-6125-JH4	NP-6125-8POE
System	CPU	Intel® Core™ 6th/7th/8th gen i7/i5/i3/Pentium/Celeron LGA1151 type CPU						
	TDP	Max. 65W						
	BIOS	AMI UEFI 64Mbit						
	Memory	2×SO-DIMM DDR4-2400MHz, max up to 32GB						
	Storage	1×mSATA bay, 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			4×USB, 1×USB2.0 Type A on the board for USB dongle	4×USB, 4 x USB2.0 extended by PCIE x1. 1×USB2.0 Type A on the board for USB dongle	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			2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	4×RS232/RS485, RS485 support auto flow control, ESD protection for RS232	2×RS232/RS485, 8×RS485(Phoenix Contators),RS485 support auto flow control, ESD protection for RS232	2×RS232/RS485, RS485 support auto flow control, ESD protection for RS232
	Ethernet	2×Intel GbE LAN controller			2×Intel GbE LAN controller			
	PoE	-	4×Intel GbE PoE LAN controller, max. 15W per channel	2×Intel GbE PoE LAN controller, max. 15W per channel	2×Intel GbE PoE LAN controller, max. 15W per channel	-	-	8×Intel GbE PoE LAN controller, max. 15W per channel
	DI	-	8×DI NPN/PNP, isolated 2500 Vrms		16×DI NPN/PNP, isolated 2500 Vrms	8×DI NPN/PNP, isolated 2500 Vrms	8×DI NPN/PNP, isolated 2500 Vrms	-
	DO	-	8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms		8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms	8×DO, Transistor output, Imax:0.5A per channel, isolated 2500 Vrms	4×Relay DO, Normally Open, 30VDC(Imax:1.0A)/ 60VDC(Imax:0.3A)/125VAC(Imax:0.5A)	-
	CAN	-			-	2×CAN Bus 2.0 A/B	-	-
	Light Control	-	4×PWM Light power control with external trigger input, Imax: 1A per channel		-			
Display	VGA	Support up to 1920×1080						
	HDMI	Support up to 3840×2160						
Audio	Line-out	-			-	Optional	-	-
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	Max. 120W	Max. 250W	Max. 200W	Max. 160W	Max. 120W	Max. 120W	Max. 250W
Chassis	Structure	Aluminum-magnesium alloy BOX with fan embedded to assist cooling, Wall-mounted or DIN-Rail						
	Dimensions(L×W×H)	200mm×154.5mm×57.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm	200mm×154.5mm×74.6mm
	Net Weight	1.9Kg	2.4Kg	2.4Kg	2.4Kg	2.4Kg	2.3Kg	2.6Kg
Reliability	Work Temperature	-20°C ~ 60°C (-4°F~140°F) with air flow (SSD)						
	Storage Temperature	-20°C ~ 60°C (-4°F~140°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-6310 UPS

NP-6310 is a UPS module that can protect your PC and data in case of power loss, it adapt The UPS module is used for the uninterruptible power supply of your PC. In the event of a failure of the external supply, the module ensures that the application software can save important data. The module adopts super capacitor technology and intelligent power management technology, and can independently manage the startup and shutdown of the device. It can operate in a wide temperature ranging from -20 degrees Celsius to 60 degrees Celsius.



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