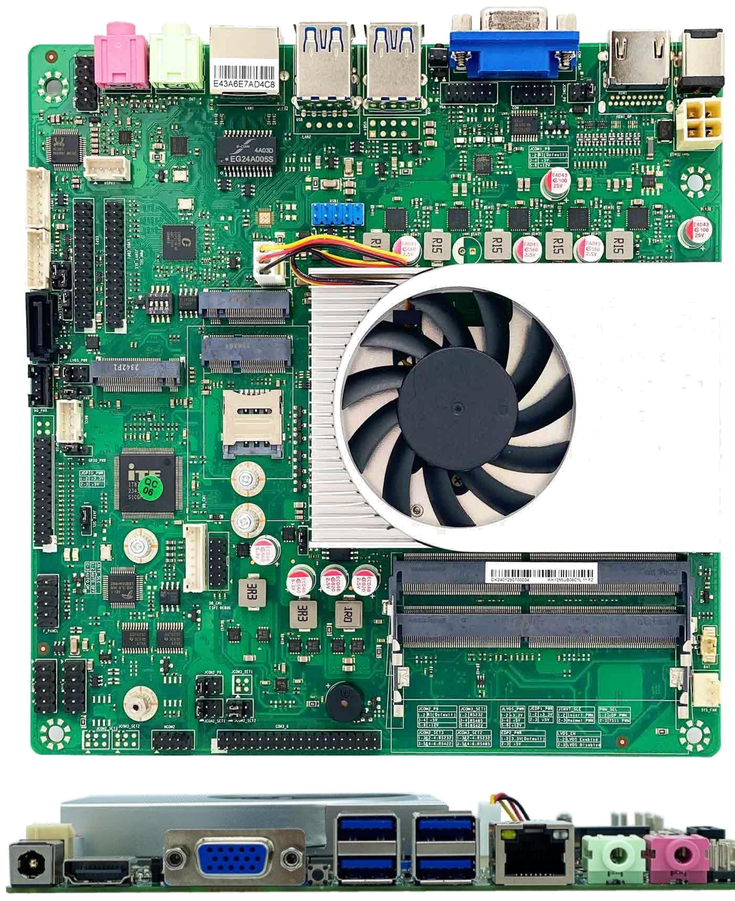
WK-12450HB0-6C1L



Functional characteristics:

- Support Intel® 12th Core™ Alder Lake i5-12450H Processor；8 core 12 threads;CPU Frequency:2.00GHz~4.40GHz；Intel® UHD Graphics
- Support 2*SO-DIMM,DDR4 3200 MHz Max 64GB
- Multiple display output：LVDS、EDP2、HDMI、VGA
- Support 1*SATA3.0；1*M.2 Key M slot(Support SATA3 and PCIe Gen4 x4 for SSD)
- Support 1*M.2 Key E slot (2230mm size, Support WiFi+Bluetooth module, Support CNVi & PCIe WiFi6 module)
- Support 1*M.2 Key B slot(3042/52mm size，support 4G module，5G optional)
- Support 4*USB3.2；6*USB2.0；
- Support 1* Realtek RTL8111 Gigabit LAN（Dual LAN optional)
- Support 6*COM232（COM2 Support RS232/485 optional)
- DC 12V power supply use 5.3mm Jack and ATX 4 pin socket

Specifications	
CPU	Intel® 12th Core™ Alder Lake i5-12450H Processor；8 core12 threads 2.00GHz~4.40GHz;
Chipset	Intel® SOC
Display chip	Intel® UHD Graphics
Display Output	LVDS、EDP2、HDMI、VGA
Multiple display support	Support four displays synchronous/asynchronous output
USB	4*USB3.2 & 6*USB2.0
Momery	2*SO-DIMM DDR4 3200MHz Max 64GB
Audio	Onboard HD Audio Codec Controller ALC897+NS4251 Audio Power Amplifier (SPK1 support 3W@4Ω; 1.7W@8Ω max)
Network	Onboard 1*Realtek RTL8111Gigabit LAN(Dual LAN optional)
Storage	1*SATA3.0 1*M.2 Key M slot (support SATA3 and PCIe Gen4 x4 for SSD)
Extensible slot	1*M.2 Key E slot (support WiFi+Bluetooth，support CNvi & PCIe WiFi6 module) 1*M.2 Key B slot(support 4G 3042/52mm size module,(5G optional) 1* Micro SIM slot
I/O chip	IT8786E-I
BIOS	AMI BIOS
Power supply	DC Jack&ATX 4PIN 12V power supply
Heat dissipation	Built-in CPU fansink
Environment	Operating：-10~60℃; Storage：-15℃~75℃ 5% ~ 95% relative humidity，no condensation
MB size	170mm*170mm

Specifications	
Back IO interface	1*DCIN port 1*HDMI port 1*VGA port 1*CLR_CMOS key 2*USB3.2 port 2*USB3.2 port（optional1*LAN port) 1*LAN port 1*F-MIC1 port 1*F-OUT1 port
Internal I/O connector	1*4PIN ATX pin 6*COM232 pin （COM2 supports RS232/485 Optional) 1*JVGA pin 3*USB2.0 pin（support 6*USB2.0, F_USB1 native USB2.0 signal, 5V standby, support USB wake up in S3/S4 ） 1*F_AUDIO pin 1*HSPK pin 2*INVT pin 1*SATA3.0 port 1*SATA_PWR pin 1*EDP2 pin 1*LVDS_EDP1 pin （Default LVDS function) 1*HLPT_GPIO pin （Default LPT function, optional 16*GPIO) 1*BKCL pin 1*JATX_SEL pin 1*F_PANEL pin 1*PS/2 pin 1*JME pin 1*Debug pin 1*CPU _FAN pin 1*SFAN pin

特别提示：产品图片及数据仅供参考，请以实际产品为准，如有变更，恕不另行通知。

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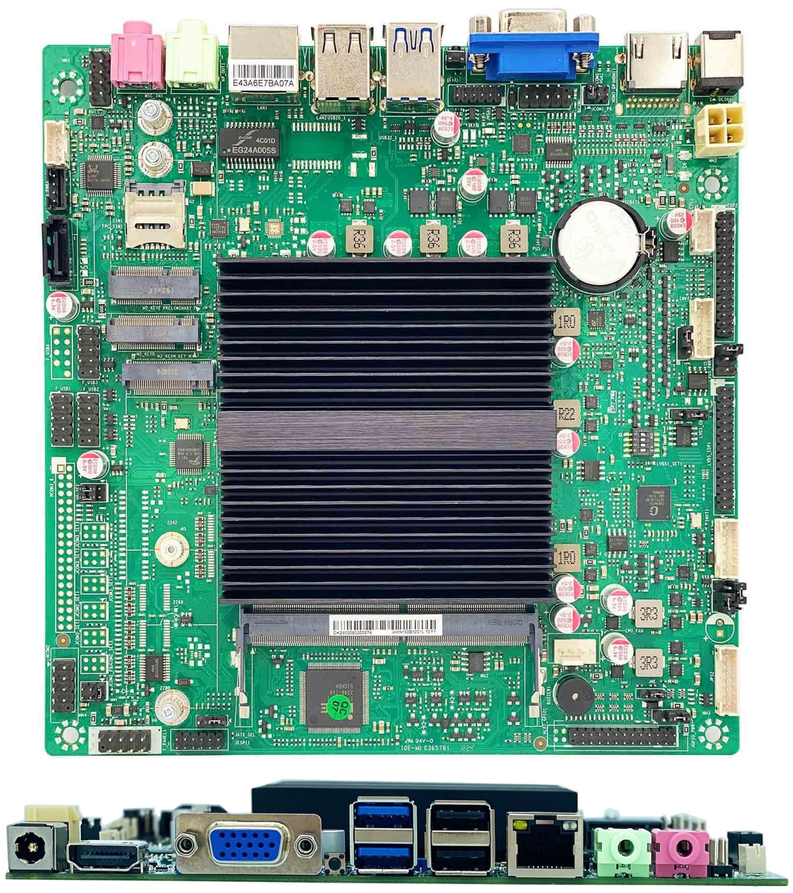
WK-N100B1-2C1L



Functional characteristics:

- Support Intel® Alder Lake-N N100 Processor；FCBGA1264 4 core 4 thread programs, CPU Frequency: 3.40GHz；Intel® UHD Graphics
- Support 1*SO-DIMM,DDR4 3200 MHz max 16GB
- Multiple display output：LVDS1、EDP2、HDMI、VGA、
- Support 1*SATA3.0；1*M.2 Key M slot (Support PCIe x2 for SATA SSD self-adaptation，2242/80mm)
- Support 1*M.2 Key E slot (2230mm size, support WiFi+Bluetooth module，Support WiFi6 and CNVi for Wireless)
- Support 1*M.2 Key B slot (3042/52mm size，support 4G module，5G optional) 1*SIM slot
- Support 2*USB3.2；8*USB2.0；
- Support 1* Realtek RTL8111 Gigabit LAN (Dual LAN optional)
- Support 2*COM232
- DC 12V power supply use 5.3mm Jack and ATX 4 pin socket

Specifications	
CPU	Intel® Alder Lake-N N100 Processor; FCBGA1264； 4 core 4 thread program,CPU Frequency :3.40GHz;
Chipset	Intel® SOC
Display chip	Intel® UHD Graphics
Display Output	LVDS1、EDP2、HDMI、VGA
Multiple display support	Support three displays synchronous/asynchronous output
USB	2*USB3.2 8*USB2.0
Momery	1*SO-DIMM DDR4 3200MHz Max 16GB
Audio	Onboard HD Audio Codec Controller ALC897+NS4251 Audio Power Amplifier (SPK1 support 3W@4Ω；1.7W@8Ω max)
Network card	Onboard 1*Realtek RTL8111 Gigabit LAN (Dual LAN optional)
Storage	1*SATA3.0 1*M.2 Key M (Support PCIe x2 for SATA SSD self-adaptation，2242/80mm)
Extensible slot	1*M.2 Key E slot (support WiFi+Bluetooth，support CNvi & PCIe WiFi6 module) 1*M.2 Key B slot(support 4G 3042/52mm size module,(5G optional) 1* Micro SIM slot
I/O chip	IT8784E-I
BIOS	AMI BIOS
Power supply	DC Jack&ATX 4PIN 12V power supply
Heat dissipation	Built-in CPU fansink
Environment	Operating：0~60℃; Storage：-15℃~75℃ 5% ~ 95% relative humidity，no condensation.
MB size	170mm*170mm

Specifications	
Back I/O interface	1*DCIN port 1*HDMI port (Optional dual-layer upper DP+ lower HDMI port) 1*VGA port (optional COM1 DB9 port) 1*CLR_CMOS key 2*USB3.2 port 2*USB2.0 port（optional 1*LAN interface) 1*LAN port 1*MIC_IN1 port 1*HP-OUT1port
Internal I/O connector	1*4PIN ATX pin 2*COM232 pin (COM1/COM2 9Pin support live optional) 1*JVGA pin 1*F_AUDIO pin 1*HSPK pin 1*SATA3.0 port、1*SATA_PWR pin 3*USB2.0 pin （support 6*USB2.0) 1*F_PANEL pin 1*JATX_SEL pin 1*JESPI pin 1*HLPT_GPIO pin (Default LPT function) 1*PS/2 pin 1*JME pin 2*INVT pin 1*LVDS_EDP1 pin (Default LVDS function) 1*EDP2 pin 1*LCTL1pin 1*CPU _FAN pin

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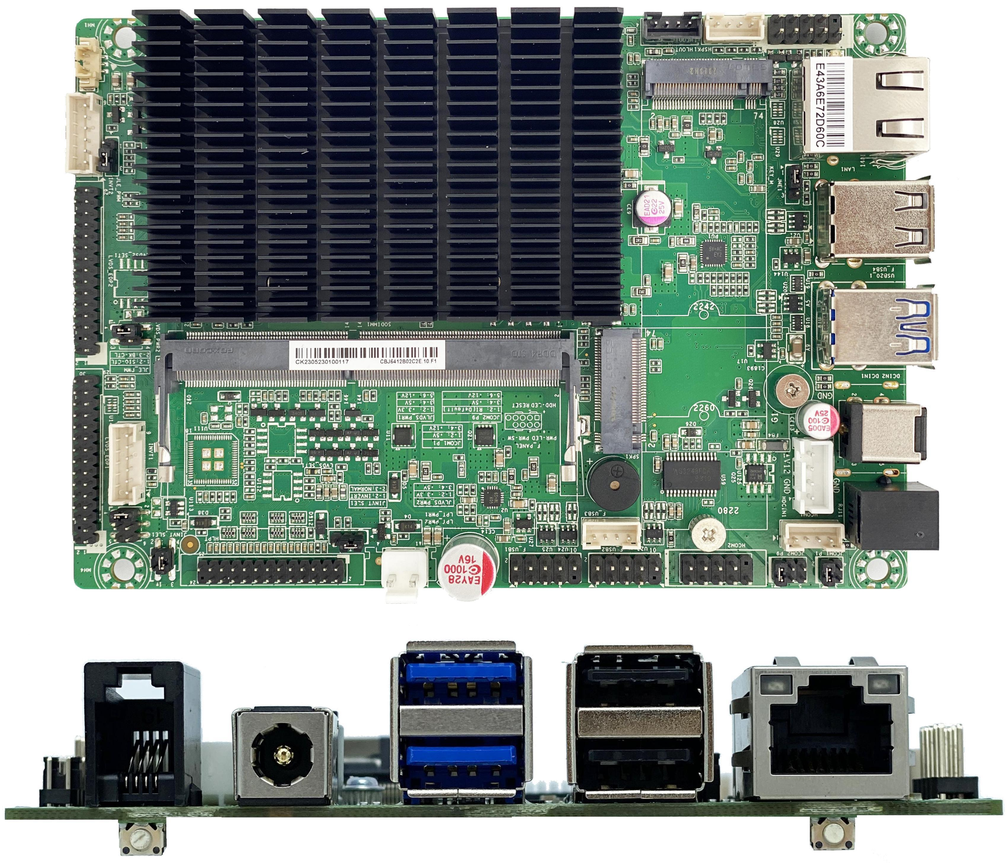
Contact:andehk@andesource.com

CB-J6412B0-2C2V



Functional characteristics

- Support Intel® Elkhart Lake J6412 Processor；4 core 4 thread programs,CPU Frequency: 2.00~2.60GHz,Intel® UHD Graphics
- 1*SO-DIMM DDR4 2933 MT/s 1 x 64 bits; Max 32GB
- Support LVDS1、LVDS2 display output
- Onboard 1*Realtek RTL8111 Gigabit LAN
- Support 2*USB3.0+7*USB2.0
- Support M.2 Key M(2280mm support PCIe & SATA SSD adaptive detection)
- Support M.2Key A (support Wifi+Bluetooth extensible module)
- Support 2*COM232
- Support one-click system restore, support quick system backup and restore
- DC 12V Power supply

intel COM 上电开机 WiFi 网络唤醒 1000 Giga LAN USB 3.0 USB 2.0 LVDS DDR4

Specifications	
CPU	Intel® Elkhart Lake J6412 Processor
Chipset	Elkhart Lake
Display chip	Intel® UHD Graphics
Display Output	LVDS1、LVDS2
Multiple display support	Support double display synchronous/asynchronous output
USB	2*USB3.0+7*USB2.0
Momery	1*SO-DIMM DDR4 2933 MT/s 1 x 64 bits; Max 32GB
Audio	Onboard Realtek ALC269 audio Codec Controller SPK support 2.2W@4Ω max
Network card	Onboard 1*Realtek RTL8111 Gigabit LAN
Storage	1*M.2 Key M(2280mm support PCIe & SATA SSD adaptive detection)
WIFI	1*M.2Key A (support Wifi+Bluetooth extensible module)
I/O chip	ITE8784E-I
BIOS	AMI BIOS
Power supply	DC 12V input
Heat dissipation	Built-in CPU fansink
Work Environment	Operating：0~60℃ ； Storage：-15~75℃ 5%~95% relative humidity，no condensation
MB size	102mm X 148mm

Specifications	
Back IO interface	1*RJ11 port （VGA or HCOM1 ， support 5V /12V power supply) 1*DC port 2*USB3.0 port 2*USB2.0 port 1*LAN port 1*CLR_CMOS key（One key firmware restore button） 1*GHOST key （One key system restore button）
Internal I/O connector	1*HDCIN pin 2*COM pin 3*F_USB2.0 pin（support 5*USB2.0） 1*LPT_PWR pin 1*HLPT pin 2*INVT pin 2*LVDS pin 1*CPU_FAN pin 1*HLOUT pin 1*HSPK pin 1*F_PANEL pin 1*JAT pin 1*JME pin

特别提示：产品图片及数据仅供参考，请以实际产品为准，如有变更，恕不另行通知。

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CT-1TGLK Series (Intel® Gemini lake J4125)

BOX PC

Functional characteristics

- Support Intel®Gemini lake J4125 4 core 4 thread programs
- Support HDMI double display; DDR4 momery, max 8G
- Support M.2 solid state disk
- Double Gigabit LAN; Built-in 1xMINI-PCIE extensible slot
- 5*USB3.0+3*USB2.0 +4*COM
- Support12~19V power supply
- Fanless design, all aluminum architecture CNC process

intel | 1000 Giga LAN | HDMI | USB 3.0 | SSD | USB 2.0 | COM | 24 Hourss 无人值守

Specifications

Item	Category	Contents
CPU		Intel® Gemini lake J4125 Processor 4 core 4 thread programs, 2.0 GHz~2.7 GHz
Chipset		Intel®SOC
BIOS		AMI BIOS supports diskless startup, network wake up, power-on startup, timed startup, watchdog and other functions
Momery	Capacity	1*SO-DDR4 2400MHz Max8GB （DDR4 2400MHz 8GB）
Storage	Capacity	M.2 Key-M 2280mm SATA SSD（Capacity optional） （2280 SSD 256GB）
Graphic display		Intel® UHD Graphics 600 Integrated graphics 2xHDMI;Supports double display （synchronous/asynchronous）; HDMI: Display resolution up to 4096x2160@30Hz;
Network	Wired	2 x RTL8111 1000M
	Wireless	1 x MINI-PCIE (extensible WIFI+Bluetooth/4G)
F_I/O	USB	4x USB3.0
	AUDIO	1 x LINE-OUT 1 x MIC-IN
	KEY	1 x Power key（with power indicator） 1 x Reset&C_MOS key 1 x Ghost key（Can be defined as a one-click system restore function）
	LED	1 x Hard disk indicator（red）; 1 x Wireless indicator light（green）
	SLOT	1 x SIM slot（External SIM card）
R_I/O	LAN	2 x RJ45 port
	USB	3 x USB2.0 + 1 x USB3.0
	HDMI	2 x HDMI port
	DC	DC Jack
POWER	Input	DC 12-19V
Watchdog	Restart the system when the system breaks down Interval:1~ 65535sec	
Box	size	136*126.2*39 mm
OS	Version	windows10 / Linux
Work Environment	Temperature	Operating: 0°C ~60°C Storage: -15~70°C
	Humidity	0~90% no condensation

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CT-4B BOX PC SERIES (Alder Lake-N N100)

BOX PC

Functional characteristics

- Support Intel® Alder Lake-N N100 Processor；4 core 4 thread programs CPU Frequency: 3.40GHz；Intel® UHD Graphics
- Support 1*SO-DIMM,DDR4 3200 MHz max 16GB
- Support VGA、HDMI display
- Support 1*M.2 Key M (support PCIe x2 & SATA SSD self-adaptation，2242/80mm)
- Support 1*M.2 Key E （2230mm,support WiFi+Bluetooth module，Support WiFi6 and CNVi for Wireless)
- Support 1*M.2 Key B (3042/52mm，for 4G module，5G optional)
- Support 2*USB3.2；4*USB2.0
- Support 1* Realtek RTL8111 Gigabit LAN
- DC 12V power supply
- Intimate multi-interface design, heat dissipation in line with air hydrodynamics
- Exquisite layout, more reasonable space; Double antenna extensible holes

intel | 1000 Giga LAN | HDMI | USB 3.0 | SSD | USB 2.0 | DDR4 | 24 Hourss 无人值守

Specifications:

Item	Category	Contents
CPU		Intel® Alder Lake-N N100 Processor；4 core 4 thread programs,CPU Frequency:3.40GHz；Intel® UHD Graphics
Chipset		Intel®SOC
BIOS		AMI BIOS，supports diskless startup, network wake up, power-on, timed startup and other functions
Momery	Capacity	1*SO-DDR4 3200MHz Max16GB （DDR4 3200MHz 8GB）
Storage	Capacity	M.2 Key-M (support PCIe x2 & SATA SSD self-adaptation，2242/80mm) （2242 SSD 256GB）
Graphic display		Intel® UHD Graphics VGA:Display resolution up to 1920x1200@60Hz HDMI:Display resolution up to 4096x2304@60Hz
Network	Wired	1 x RTL8111 1000M
	Wireless	1 x M.2 Key E （2230mm, support WiFi+Bluetooth module，support CNVi and PCIe WiFi6)
F_I/O	USB	2 x USB2.0
	AUDIO	1 x AUDIO
	KEY	1 x Power key
	LED	1 x Power LED
R_I/O	LAN	1 x RJ45 port
	USB	2 x USB2.0 + 2 x USB3.0
	Display	1 x HDMI dispaly port 1 x VGA dispaly port
	DC	DC Jack
	AUDIO	1 x LINE-OUT &1 x MIC-IN
	Antenna	2 x port
Power	Input	DC 12V
Watchdog	Restart the system when the system breaks down Interval:1～65535sec	
Box	Size	200*200*34 mm
OS	Version	Windows 10/11 32bit/64bit/Linux
Work Environment	Temperature	Operating：0°C ~60°C Storage：-15~75°C
	Humidity	5%~95% no condensation

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CT-4B BOX PC SERIES (Core i5-12450H)

BOX PC

Functional characteristics

- Support Intel® 12th Core™ Alder Lake i5-12450H Processor;
8 core 12 thread programs CPU Frequency: 2.00GHz~4.40GHz; Intel® UHD Graphics
- Support 2*SO-DIMM,DDR4 3200 MHz max 64GB
- Support VGA、HDMI display
- Support 1*M.2 Key M (supportSATA3 and PCIe Gen4 x4 for SSD)
- Support 1*M.2 Key E (2230mm,support WiFi+Bluetooth module, Support CNVi and PCIe WiFi6)
- Support 1*M.2 Key B (for 4G module ,3042/52mm, (5G optional))
- Support 2*USB3.2; 4*USB2.0
- Support 1* Realtek RTL8111 Gigabit LAN
- DC 12V power supply
- Intimate multi-interface design, heat dissipation in line with air hydrodynamics
- Exquisite layout, more reasonable space; Double antenna extensible holes

intel | 1000 Giga LAN | HDMI | USB 3.0 | SSD | USB 2.0 | DDR4 | 24 Hourss 无人值守

Specifications:

Item	Category	Contents
CPU		Intel® 12th Core™ Alder Lake i5-12450H Processor; 8 core 12 thread programs 2.00GHz~4.40GHz; Intel® UHD Graphics
Chipset		Intel®SOC
BIOS		AMI BIOS, supports diskless startup, network wake up, power-on, timed startup and other functions
Momery	Capacity	2*SO-DDR4 3200MHz Max64GB (DDR4 3200MHz 8GB)
Storage	Capacity	M.2 Key-M (support SATA3 and PCIe Gen4 x4 for SSD) (2280 SSD 256GB)
Graphic display		Intel® UHD Graphics VGA: Display resolution up to 1920x1200@60Hz HDMI: Display resolution up to 4096x2304@60Hz
Network	Wired	1 x RTL8111 1000M
	Wireless	1 x M.2 Key E (2230mm,support WiFi+Bluetooth module, support CNVi and PCIe WiFi6)
F_I/O	USB	2 x USB2.0
	AUDIO	1 x AUDIO
	KEY	1 x Power key
	LED	1 x Power LED
R_I/O	LAN	1 x RJ45 port
	USB	2 x USB2.0 + 2 x USB3.0
	Display	1 x HDMI display port 1 x VGA display port
	DC	DC Jack
	AUDIO	1 x LINE-OUT &1 x MIC-IN
	Antenna	2 x port
POWER	Input	DC 12V
Watchdog		Restart the system when the system breaks down Interval:1~ 65535sec
Box	Size	200*200*34 mm
OS	Version	Windows 10/11 32bit/64bit/Linux
Work Environment	Temperature	Operating: 0°C ~60°C Storage: -15~75°C
	Humidity	5%~95% no condensation

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