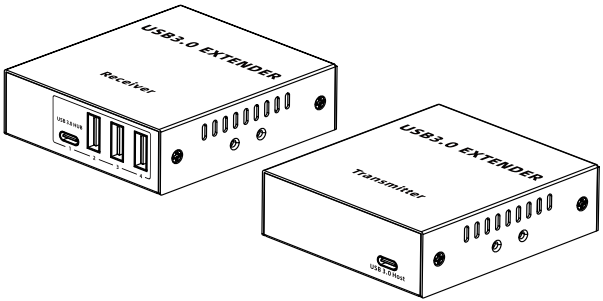
COMPANICS
Communication & Electronics LTD

כומפניקס תקשורת ואלקטרוניקה בע"מ
הבורסקאי 1 א.ת. סגולה, פ"ת | ספק מ. הביטחון: 83524121 | ח.פ: 512109968
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User Manual

USB3.0 Extender

Point to Point Extender



Model Number 18245

- **Important Safety Instructions:**

1. To prevent electric shock, please ensure that all devices are properly grounded.
2. Do not place this device near or over a radiator or heat register, or where it is exposed to direct sunlight.
3. Do not place the device on an uneven or unstable surface, the device may fall resulting in a malfunction.
4. Do not expose this device to rain or place it near water. Any liquid that goes into the device may cause a failure, fire, or electric shock.
5. If a third-party power supply is used, please ensure that the power supply specifications meet the product requirements.

- **Introduction**

This is a USB 3.0 extender, which can realize one-to-one connection through CAT6/6A/7 network cables, with a transmission distance of up to 50m for CAT6 and 90m for CAT6A; It supports 4 channels of USB 3.0 devices input, Compatible with USB 2.0, USB1.1, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc. Widely used in security monitoring, gaming, industrial control, professional audio-visual, smart medical and other fields.

- **Features**

1. The Transmitter supports USB 3.0 Super-Speed, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1.Gen1; The Receiver supports USB 3.0 Super-Speed, USB 2.0 High-Speed, compatible with USB 1.1 Full-Speed.

2. Supports four USB 3.0 input and one USB 3.0 outputs.
3. Compatible with CAT6/6A/7 network cables, CAT6 transmission distance can reach 50m, and CAT6A transmission distance can reach 90m.
4. Supports USB hub connection.
5. Support hot-plugging of USB devices and automatically identify USB standards.
6. Support PoC, only the Receiver is required to supply power.
7. Lightning protection, surge protection, ESD protection.
8. Supports stable 24/7 operation.

- **Package Contents**


Transmitter x1


Receiver x1


DC 12V/3A x1


User manual x1


Type-C 3.0 to
Type-C 3.0 Cable x1

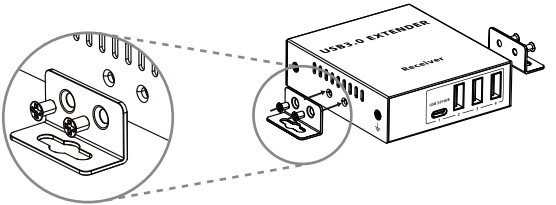

Type-C 3.0 to
USB-A 3.0 Cable x1


Mounting ear x4


Screw x10


Grounding
Screw x2

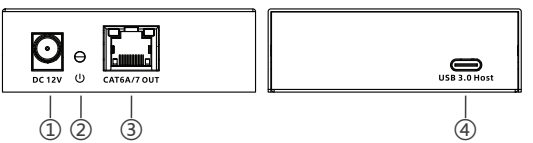
- **Wall Mounting**



Choose the wall mounting position and attach the mounting ears to the unit according to the diagram.

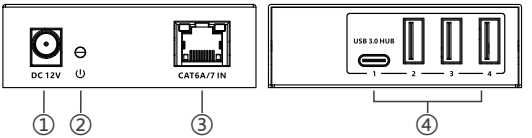
- **Panel Description**

1. Transmitter (Local Side)



①	Power input	PoC, only RX power supply is needed
②	Power indicator	1) Steady on: powered on 2) Light off: powered off
③	RJ45 output port	Connect with CAT6/6A/7 network cable Green LED-steady on: Established connection between TX and RX Yellow LED-steady on: Transmitting USB3.0 signals
④	USB Host 3.0 port	Connect USB 3.0 port of computer host, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1

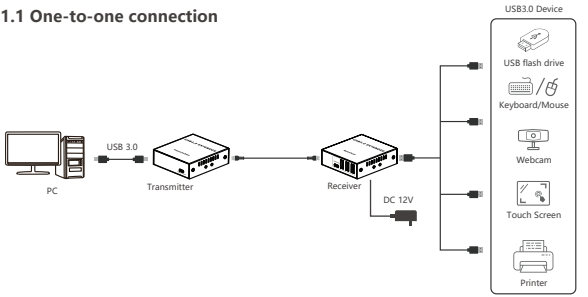
2. Receiver (Remote Side)



①	Power input	Connect with DC 12V/3A power adapter
②	Power indicator	1) Steady on: powered on 2) Light off: powered off
③	RJ45 input port	Connect with CAT6/6A/7 network cable Green LED-steady on: Established connection between TX and RX Yellow LED-steady on: Transmitting USB3.0 signals
④	USB Hub port	Connect with USB3.0/2.0/1.1 device, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc.

• Installation Procedures

1.1 One-to-one connection



1.2 Connection Instructions

1. Separately connect the computer host and the transmitter with USB cable, the receiver connects to USB devices, such as: printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc.
2. One to one connection, connect the transmitter and receiver with CAT6/6A/7 network cable.
3. Connects to the power supply, then the product starts to work.

• FAQ

Q: USB device is not recognized when connected?

A: 1) Check whether USB port of the transmitter is connected to the USB 3.0 interface properly.

2) Power the transmitter or receiver again.

Q: The receiver is unstable when connected to an external hard drive?

A: When connecting high-power USB devices, it is necessary to offer additional power to external devices.

• Specification

Items	Parameters
Transmitter USB	USB 3.0, compatible with USB 3.2 Gen1x1, USB 3.1 Gen1
Receiver USB	USB 3.0, compatible with USB 2.0, USB 1.1
Transmission Distance	CAT6 ≤ 50m; CAT6A ≤ 90m
USB Device	Support printer, camera, scanner, USB flash drive, keyboard, mouse, touch screen... etc

USB Hot-Plug	Support
USB Port	3 USB-A 3.0 input and 1 Type-C 3.0 input 1 Type-C 3.0 output
Physical Properties	
Housing	Iron
Dimensions	85.0(L) x 76.0(W) x 25.0(H) mm
Weight	Tx:168g Rx:178g
Color	Black
Power	
Power Supply	RX：DC 12V/3A
Power Consumption	TX+RX ≤ 8W
Operating Environment	
Working Temperature	-20～60℃
Storage Temperature	-30～70℃
Humidity	0～90% (No condensation)
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2
	Lightning protection, Surge protection
Application	
Industrial Control, Professional AV, Security and Monitoring, Gaming, etc.	

Disclaimer

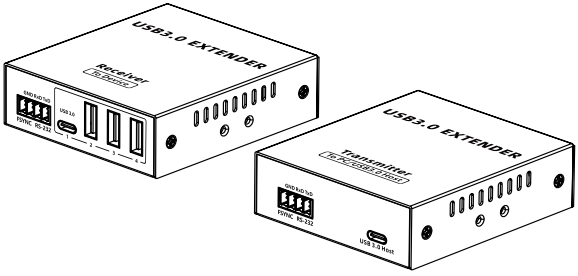
The product name and brand name may be registered trademark of related manufactures. ™ and ® may be omitted on the user manual. The pictures in this user manual are just for reference. We reserve the rights to make changes without further notice to a product system described herein to improve reliability, function or design.

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User Manual

USB3.0 Extender

Point to Point Extender



Model Number 18250

- **Important Safety Instructions:**

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2. Do not place this device near or over a radiator or heat register, or where it is exposed to direct sunlight.
3. Do not place the device on an uneven or unstable surface, the device may fall resulting in a malfunction.
4. Do not expose this device to rain or place it near water. Any liquid that goes into the device may cause a failure, fire, or electric shock.
5. If a third-party power supply is used, please ensure that the power supply specifications meet the product requirements.

- **Introduction**

This is a USB 3.0 extender, which can realize one-to-one connection through CAT6/6A/7 network cables, with a transmission distance of up to 50m for CAT6 and 100m for CAT6A/CAT7; It supports 4 channels of USB 3.0 devices input, Compatible with USB 2.0, USB1.1, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc. Widely used in security monitoring, gaming, industrial control, professional audio-visual, smart medical and other fields.

- **Features**

1. The Transmitter supports USB 3.0 Super-Speed, compatible with USB 3.2 Gen1, USB 3.1 Gen1; The Receiver supports USB 3.0 Super-Speed, USB 2.0 High-Speed, compatible with USB 1.1 Full-Speed.

2. Supports four USB 3.0 input and one USB 3.0 outputs.
3. Compatible with CAT6/6A/7 network cables, CAT6 transmission distance can reach 50m, and CAT6A/CAT7 transmission distance can reach 100m.
4. Supports USB hub connection.
5. Support hot-plugging of USB devices and automatically identify USB standards.
6. Support PoC.
7. Supports RS-232 and frame synchronization.
8. Firmware upgrading via Micro USB port.
9. Lightning protection, surge protection, ESD protection.
10. Supports stable 24/7 operation.

- **Package Contents**



Transmitter x1



Receiver x1



DC 12V/3A x1



User manual x1



Type-C 3.0 to Type-C 3.0 Cable x1



Type-C 3.0 to USB-A 3.0 Cable x1



Mounting ear x4



Screw x10

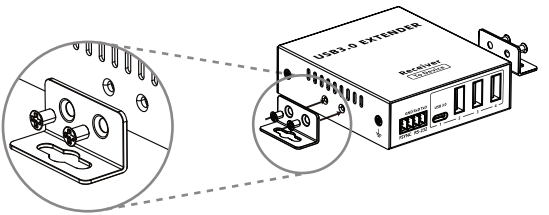


Grounding Screw x2



Terminal block
(4pin) x2

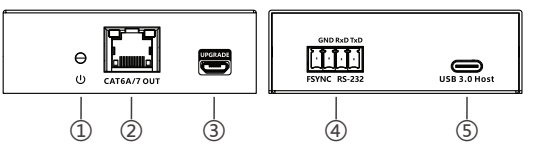
- **Wall Mounting**



Choose the wall mounting position and attach the mounting ears to the unit according to the diagram.

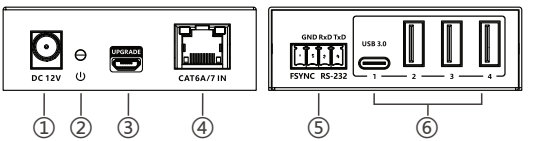
- **Panel Description**

1. Transmitter (Local Side)



①	Power indicator	1) Steady on: powered on 2) Light off: powered off
②	RJ45 output port	Connect with CAT6/6A/7 network cable Green LED-steady on: Established connection between TX and RX Yellow LED-steady on: Transmitting USB3.0 signals
③	Micro USB port	For firmware upgrading and functional configuration using software tools
④	RS-232/FSYNC interface	RS-232 passthrough commands Frame synchronization signal input
⑤	USB Host 3.0 port	Connect USB 3.0 port of computer host, compatible with USB 3.2 Gen1, USB 3.1 Gen1

2. Receiver (Remote Side)

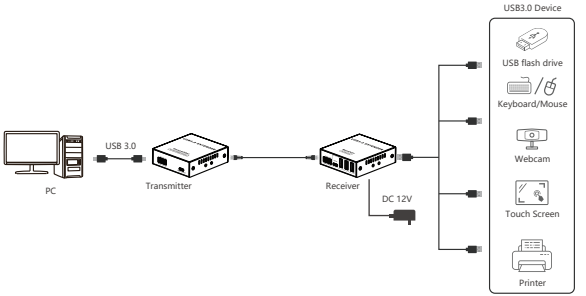


①	Power input	Connect with DC 12V/3A power adapter
②	Power indicator	1) Steady on: powered on 2) Light off: powered off
③	Micro USB port	For firmware upgrading and software function configuration
④	RJ45 input port	Connect with CAT6/6A/7 network cable Green LED-steady on: Established connection between TX and RX Yellow LED-steady on: Transmitting USB3.0 signals
⑤	RS-232/FSYNC interface	RS-232 passthrough commands Frame synchronization signal output

⑥	USB Hub port	Connect with USB3.0/2.0/1.1 device, such as printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc. *The Type-C port on the receiver does not support double-sided plug, if your receiving device does not respond after connecting to the receiver, please plug the cable into the receiver with a different side

• Installation Procedures

1.1 One-to-one connection



1.2 Connection Instructions

1. Separately connect the computer host and the transmitter with USB cable, the receiver connects to USB devices, such as: printer, camera, scanner, USB flash drive, keyboard, mouse, touchscreen, etc.
2. One to one connection, connect the transmitter and receiver with CAT6/6A/7 network cable.
3. Connects to the power supply, then the product starts to work.

- **FAQ**

Q：USB device is not recognized when connected?

A：1) Check whether USB port of the transmitter is connected to the USB 3.0 interface properly.

2) Power the transmitter or receiver again.

Q：The receiver is unstable when connected to an external hard drive?

A：When connecting high-power USB devices, it is necessary to offer additional power to external devices.

- **Specification**

Items	Parameters
Transmitter USB	USB 3.0, compatible with USB 3.2 Gen1, USB 3.1 Gen1
Receiver USB	USB 3.0, compatible with USB 3.2 Gen1, USB 3.1 Gen1, USB 2.0, USB 1.1
Maximum transfer rate	5Gbps
Transmission Distance	CAT6 ≤ 50m; CAT6A/CAT7(S/FTP, F/FTP) ≤ 100m
USB Device	Support printer, camera, scanner, USB flash drive, keyboard, mouse, touch screen... etc
USB Hot-Plug	Support
USB Port	3 USB-A 3.0 input and 1 Type-C 3.0 input 1 Type-C 3.0 output
Physical Properties	
Housing	Iron
Dimensions	85.0(L) x 76.0(W) x 25.0(H) mm
Weight	Tx: 169g Rx: 182g
Color	Black

Power	
Power Supply	RX: DC 12V/3A
Power Consumption	TX+RX ≤ 8W
Operating Environment	
Working Temperature	-20～60℃
Storage Temperature	-30～70℃
Humidity	0～90% (No condensation)
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2
	Lightning protection, Surge protection
Application	
Industrial Control, Professional AV, Security and Monitoring, Gaming, etc.	

Disclaimer

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