

# FireNEX™ -5000H+

2-Port USB 3.0/2.0/1.1 Optical Fiber Repeater



## Data Sheet



### Description

FireNEX-5000H+™ is the latest USB SuperSpeed optical fiber extension solution from Newnex. In addition to the capability of extending USB SuperSpeed 5Gbps data up to 300 meters via a optic fiber cable, It can also support USB 2.0/1.1 lower speed peripherals which are still widely used.

FireNEX™-5000H+ contains one Local Unit for connection to the host computer and one Remote Unit with two stacked USB Type-A Downstream Ports for device connections. The USB ports on both Local Unit and Remote Unit are all featured with USB3 Vision standard compliant locking ports to ensure interconnections with cables are secure.

### Included in the Box

- 1x FIRENEX-5000H+ Local Unit
- 1x FIRENEX-5000H+ Remote Unit
- 1x 12V DC Power Adapter (US)
- 1x USB A to B Host Cable, 1m
- 1x FIRENEX-5000H+ User Manual

### Features

- 100% Plug and Play
- Support 5Gbps SuperSpeed USB 3.1 Gen 1
- USB 2.0/1.1 Backward Compatible with Windows OS
- Extension Distance up to 300 meters
- Compact Size and Light Weight
- Durable Metal Enclosure
- AIA USB3 Vision® Compliant Locking Ports
- RoHS Compliant

### Ordering Information

Please contact Newnex sales team or your local distributors for ordering information, at [www.newnex.com/wheretobuy.php](http://www.newnex.com/wheretobuy.php). For technical information and support, please visit Newnex Technology Corp's web at [www.newnex.com](http://www.newnex.com) or contact 1-408-986-9988

## Specification

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### RANGE

Max. Extension Up to 300m (1,000 ft.)

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### DATA RATE

USB 3.0 SuperSpeed 5 Gb/s  
USB 2.0/1.1 Backward Compatible on Windows OS

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### LOCAL Unit

Dimensions 106 x 45.4 x 27mm (4.17 x 1.79 x 1.06")  
Weight 135 g  
Enclosure Material Anodized Aluminum  
USB Connector 1x USB 3.0 Type-B Locking Port  
Compliant with AIA USB3 Vision Standard  
Optical Connector 1x Duplex LC Connector  
Power Source 5V USB Bus Powered

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### REMOTE Unit

Dimensions 106 x 45.4 x 27mm (4.17 x 1.79 x 1.06")  
Weight 139 g  
Enclosure Material Anodized Aluminum  
USB Connector 2x USB 3.0 Type-A Locking Port  
Compliant with AIA USB3 Vision Standard  
Optical Connector 1x Duplex LC Connector  
Power Input 12-24V DC  
Power In Connector 2.1mm Center Positive  
USB Power Output 2500mA for each USB Port

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### COMPATIBLE FIBER CABLE

Length Up to 300m (1,000 ft.)  
Type OM3 or OM4, 50/125µm, Multi-mode, Duplex LC

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### POWER SUPPLY

AC Power Plug Type US/EU/UK/CN  
Power Input 100-240V AC, 50/60Hz, 0.8A  
Power Output 12V DC, 2.5A

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### ENVIRONMENTAL

Operating Temperature -10°C to 85 °C (14°F to 185°F)  
Storage Temperature -65°C to 150 °C (-85°F to 302°F)  
Operating Humidity 20% to 80% relative humidity, non-condensing  
Storage Humidity 10% to 90% relative humidity, non-condensing

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### COMPLIANCE AND COMPATIBILITY

Connectivity USB 3.0  
Machine Vision Mechanical AIA USB3 Vision<sup>®</sup> Compliant  
EMC FCC, CE  
Environmental RoHS  
Laser Safety IEC 60825-1 Class 1/CDRH Class 1 laser eye safe

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### SUPPORT

Warranty 1-year Manufacture Warranty

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