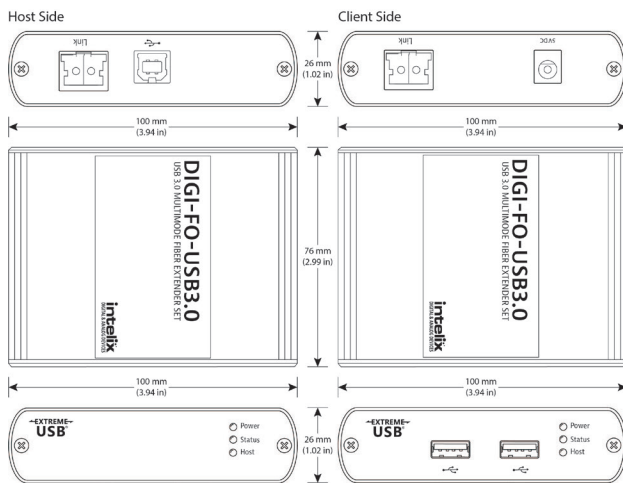


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DIGITAL & ANALOG DEVICES

DIGI-FO-USB3.0 Installation Guide



The Intelix DIGI-FO-USB3.0 is a two-port USB 3.0 SuperSpeed extension solution, enabling USB 3.0 connections at up to 5 Gbps over 100m/330ft of OM3 multimode fiber optic cable. The DIGI-FO-USB3.0 features two locking USB 3.0 ports delivering 900mA power to each port and a true plug-and-play solution. *The DIGI-FO-USB3.0 is not backwards compatible with USB 2.0 and USB 1.1.*

Included Accessories

- Power supply
- USB 3.0 Cable
- Installation Guide

Important notice:

- Do not attempt to disassemble or alter the housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
- Do not connect the device to a telecommunication outlet wired to unrelated equipment. Doing so may damage the unit or any connected equipment. Ensure all connected twisted pair cabling is straight-through (point-to-point).
- Allow proper ventilation to reduce the risk of thermal failure.

Local Extender Unit Connections

1. Status LEDs
 - Power: Solid green when power is applied.
 - Status: Solid green when link is present between extenders, Flashing when waiting for connection to remote extender.
 - Host: Solid green when connected to host PC; flashes green when in a suspended state.
2. USB 3.0 Type B port
3. Link Port (Duplex LC)

Remote Extender Unit Connections

1. Status LEDs
 - Power: Solid green when power is applied.
 - Status: Solid green when link is present between extenders, Flashing when waiting for connection to local extender.
 - Host: Solid green when connection is established between local extender and host PC; flashes green when in a suspended state.
2. (2) USB 3.0 Type A ports
3. Link Port (Duplex LC)
4. 5V DC Power Input

Instructions

1. Verify all components included with the extender set are present before installation.
2. Remove the white sticker covering the USB 3.0 port that reads "Important Step: Disable Suspend Settings on your computer prior to using this product".
3. Ensure your computer's suspend settings have been disabled.
4. Connect USB 3.0 cable between the computer and the Host device.
5. Connect a 2-strand 50/125 multimode fiber optic cable with Duplex LC connectors to the link port on both local and remote extender units.
6. Connect the remote device(s) to the client extender.
7. Connect the included power supply to the Client extender.
8. Power on all USB 3.0 devices.

Troubleshooting Tips

Symptom	Possible Solutions
• All LEDs on Local Extender are off.	<ul style="list-style-type: none">• Ensure that the USB connection between the Local Extender and host computer is properly installed.• Move the USB connector to another USB port on the host computer.• Ensure that the AC power adapter is properly connected to the Remote Extender.• Test with a different USB 3.0 device.
• Status LEDs on both the Local and Remote Extender units are blinking.	<ul style="list-style-type: none">• Ensure that the host computer supports USB 3.0.• Ensure the Remote Extender is connected to a USB 3.0 port. The centre of the port should be blue. Another color, such as black usually indicates a USB 2.0 port.• Verify that a LC multimode fiber optic cable is connected between the Local and Remote Extender units.• Connect a fiber optic patch cord between the Local and Remote Extender units. Recheck operation of the system.
• Host LED is blinking on one or both units.	<ul style="list-style-type: none">• Verify suspend mode has been disabled on the computer.• Power cycle the Local and Remote Extender, and the devices connected to the Remote Extender.
• Host LED on Local/Remote Extender is off.	<ul style="list-style-type: none">• Disconnect all USB 3.0 devices from remote and local extender, reconnect all USB 3.0 devices.• Verify power supply is functional.
• All LEDs on both the Local and Remote Extender units are on but the USB device does not operate correctly, or is detected as an "Unknown Device" in the operating system.	<ul style="list-style-type: none">• Verify the USB 3.0 device is operational, bypass the extenders and test direct to the USB 3.0 port on the computer.• Test the extender set with another USB 3.0 device.• Verify the device supports USB 3.0.

Multimode Fiber Class	Cameras	Storage
OM2	50m	50m
OM3	100m	50m

Up to 50m with USB 3.0 storage type devices; 100m or more is achievable when using USB 3.0 bulk traffic cameras.

Technical Specifications

Local Input/Output Connections	
USB Input	One (1) USB 3.0 Type B Receptacle
Link Connector	One (1) Duplex LC Connector
Remote Input/Output Connections	
USB Outputs	Two (2) USB 3.0 Type A Receptacles
Link Connector	One (1) Duplex LC Connector
5V DC Power	5V DC, 3A, Locking, 2.5 mm, center-positive
USB Performance	
Maximum Distance	100 m (328 ft) over 2-strand 50/125µm multimode (MMF) fiber optic cable with Duplex LC connectors.
USB Device Support	USB 3.0 up to 5 Gbps (Not backward compatible with USB 2.0/1.1)
USB Host Support	xHCI Controllers (Intel, AMD, Renesas (NEC), Fresco, AsMedia)
Chassis and Environmental	
Enclosure Material	Black Anodized Aluminum
Enclosure Dimensions	100mm x 76mm x 26mm (3.94" x 2.99" x 1.02")
Shipping Weight	0.997kg (2.20 lbs)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	20% to 80%, Non-condensing
Storage Temperature	-20° to +70° C (-4° to +158° F)
Storage Humidity	10% to 90%, Non-condensing
Power and Regulatory	
Power Supply Input	100V-240VAC Brick, locking
Power Supply Output	5VDC / 3.0A
Power Consumption	15 watts (max)
Available Current	900mA for each USB Port
ESD Protection	±15 kV
Product Regulatory	FCC (Class B), CE (Class B), RoHS2 (CE)
Power Supply Regulatory	UL, CUL, CE, GS
Other	
Warranty	2 years
Diagnostic Indicators (Host Side)	Power, Status, Host
Diagnostic Indicators (Client Side)	Power, Status, Host
Included Accessories	(1) Power Supply, USB 3.0 Cable, Installation Guide

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.

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