![Intelix - DIGITAL & ANALOG DEVICES]
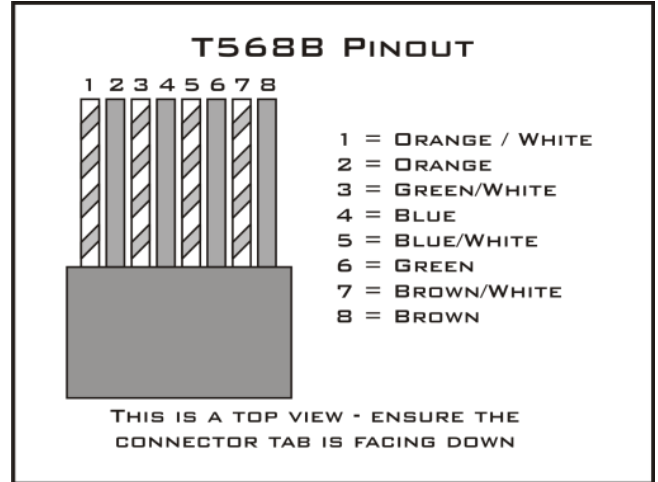
DIGI-USB2 Installation Guide

The Intelix DIGI-USB2 extends computer USB 1.1 and USB 2.0 signals up to 100m (330') over twisted pair cabling. The devices can be powered at either the client or host device.

The DIGI-USB2 utilizes inexpensive twisted pair cabling and has a throughput of up to 480Mbps.

The DIGI-USB2 is perfect for keyboard and mouse extension, remote data ports, up to 4 USB hubs, security applications and SmartBoard applications.

Twisted Pair Wiring - Use T568B wiring for Cat5e/6 connection between send and receive units.

Installation Instructions

1. Connect a standard USB cable between the computer and the Local device.

2. Connect the USB of the remote device to the remote extender.

3. Connect twisted pair cable between the local and the remote extenders. Ensure T568B straight-thru wiring.

4. Connect the included power supply to the either the local or the remote extender.

5. Verify proper operation of the extended USB device.
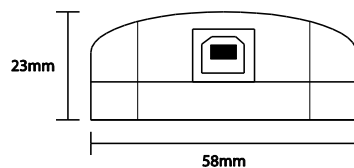
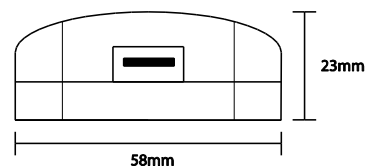| Troubleshooting	
Symptom	**Possible Solutions**
USB is not functioning Active LED is off	Verify that both ends of the twisted pair cables use T568B crimp pattern. Verify the power LEDs on both the send and receive units are brightly illuminated. Verify the power supply is connected to either the local or remote extender.
USB is not functioning Active LED is on	Verify USB cables at local and remote USB ports are operational. Verify USB device works directly attached to PC. Verify the USB device driver is installed and working.
USB is not functioning Overcurrent notification in OS	Verify that the maximum distance has not been exceeded. Power cycle the system. Allow time for the system to discharge. 30 seconds will be adequate. Contact Technical Support.

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8001 Terrace Ave.
Suite #201
Middleton, WI 53562

Phone: 608-831-0880
Toll-Free: 866-4-MATMIX
Fax: 608-831-1833

Technical Specifications

I/O Connections

USB	Type A and Type B
Twisted Pair	Shielded RJ45 Female
24V DC Power	5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel

Maximum Distance

CAT5E	100m (330')

Supported Signals

USB 2.0	Up to 480-Mbps
USB 1.1	Up to 12 Mbps

Chassis and Environmental

Enclosure	Black Rubberized ABS Plastic
Dimensions	87mm x 58mm x 28mm (3.43 in. x 2.26 in. x 1.20 in.)
Shipping Weight	0.45kg (1 lbs.)
Operating Temperature	0° to +50° C (+32° 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, ESD, and Regulatory

Power to USB Devices	500mA
Maximum Power Consumption	4.3 watts
Power Supply	24vDC
Regulatory	FCC (Class A), CE (Class A), RoHS

Other

Standard Warranty	2 Years
Included Accessories	USB cable, Power Supply and Installation Guide
Mounting	Slots for cable ties

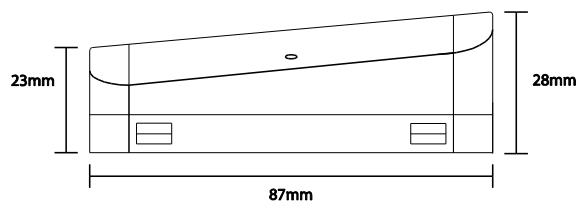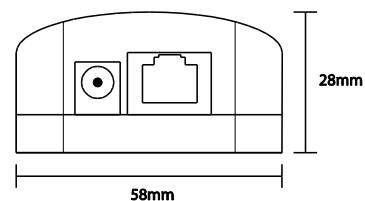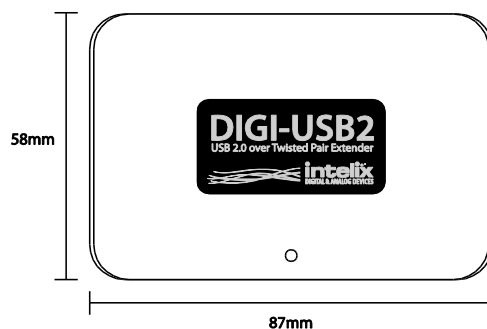### Left (Local)

23mm

58mm

Left (Remote)

23mm

58mm

Side (Both)

23mm

28mm

87mm

Right (Both)

28mm

58mm

Top (Both)

58mm

DIGI-USB2
USB 2.0 over Twisted Pair Extender
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87mm

Bottom (Both)

58mm

87mm

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