

## Product Data Sheet

## 4-Port USB 2.0 Gigabit Ethernet or Direct Connect Extender



### Overview

The USB 2.0 Gigabit Ethernet or Direct Connect Extender (IC408A-R2) enables you to connect all USB 2.0 types to hosts across a Gigabit Ethernet Local Area Network or use CAT5e/6/7 cable for direct connect.

The extender is composed of two individual units: the local unit and the remote unit. It extends flash drives, keyboards, mice, speakers, webcams, and interactive whiteboards across a Local Area Network (LAN) and supports modern USB 3.0 controllers.

Typical applications include:

- Remote storage
- Remote smart board connection
- Keyboard and mouse extension

### Features

- Supports USB 2.0 throughput up to 480 Mbps\*.
- Pre-paired networked configuration\*\* for simple installation.
- Supplies up to 1 A to each USB port.
- Mass storage acceleration for USB 2.0 device bulk transfers.
- Transparent USB extension.
- True plug-and-play; no software drivers required.
- Works with all major operating systems: Windows®, OS X®, and Linux®.

\* Maximum throughput will vary based on network traffic, distances and number of switches between extenders.

\*\* Pre-paired network configuration only applies to units purchased together as a complete Local and Remote Extender system.

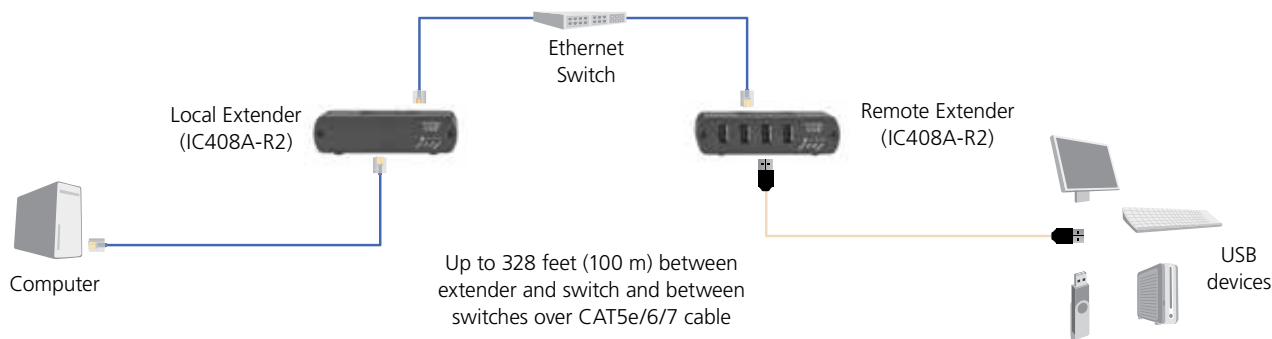
## 4-Port USB 2.0 CAT5e/6/7 Gigabit Ethernet Extender Data Sheet

### Specifications

Approvals	Regulatory testing: FCC (Class B), CE (Class B), RoHS2 (CE);
Networking	Standards: 1000BASE-T* *Maximum speed is heavily dependant on network configuration, bandwidth and performance. 1000BASE-T is highly recommended for best performance. Data Traffic: Layer 2; Control Traffic: Layer 3, customizable as unicast or broadcast
Distance	Direct connect: Up to 328 feet (100 m) over solid-core CAT5e/6/7 cable; Network connect: Up to 328 feet (100 m) over solid-core CAT5e/6/7 cable
Maximum USB Devices Supported	Up to 30 devices
USB Device Support	High-speed devices (480 Mbps, USB 2.0); Full-speed devices (12 Mbps, USB 2.0 and 1.1); Low-speed devices (1.5 Mbps, USB 2.0 and 1.1)
Enclosure Material	Black anodized aluminum
Connectors	Local unit: (1) USB Type B, (1) RJ-45; Remote unit: (4) USB Type A, (1) RJ-45
Temperature Tolerance	Operating: 32 to 122° F (0 to 50° C); Storage: -4 to 158° F (-20 to 70° C)
Humidity Tolerance	Operating: 20 to 80% relative humidity, non-condensing; Storage: 10 to 90% relative humidity, non-condensing
Power	<i>NOTE: One power supply is included for remote unit. Local unit derives power from the USB interface.</i> Input: 100/240 VAC, 50–60 Hz; Output: 24 VDC, 1 A; AC adapter connector: 2.1-mm center positive jack Power available to USB device at remote unit: Up to 2.4 A total among the ports, but 1 A max. per port; Power consumption: Local unit: 200 mA maximum, Remote unit: Up to 2.4 A total among the ports, but 1 A max. per port
Dimensions	Each unit: 3.9"H x 3"W x 1"D (9.9 x 7.6 x 2.5 cm)
Weight	Shipping: 2.2 lb. (1 kg)

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## Application diagram.



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