USB EXTENDER

Extend one USB device up to 150 feet / Extend four USB devices up to 100 feet

Extends one USB device up to 150 feet.

**USB-C5-LC
(Local and Remote Unit)**

Extends four USB devices up to 100 feet.

**USB-C5-CE
(Remote Unit, Front and Back)**

Features & Applications

The USB-C5-LC extends one USB device up to 150 feet, and the USB-C5(-CE) extends four USB devices up to 100 feet. The USB extenders consist of two units, the local unit and the remote unit, which are interconnected with CAT5/5e/6 cable.

- Extend self-powered and/or bus-powered USB peripheral devices (security cameras, printer, scanner, keyboard, etc.).
- Transparent data extension.

- Compatible with USB PC, SUN and MAC computers.
- Compliant with USB 1.1 specifications.
- Supports Plug-n-Play specification.

Specifications

Local Unit

- USB-C5-LC: one male USB Type A connector on attached 10-inch cable.
- USB-C5(-CE): one female USB Type B connector.
- Supports a USB computer (PC, SUN, MAC).
  - When using certain MAC computers with USB-CS(-CE), the maximum extension is 75 feet.
- Multiplatform support: Windows 2000/XP/Vista/Server 2000/2003/2008, Solaris, Linux, FreeBSD and MAC OS 9/10.

Remote Unit

- USB-C5-LC: one female USB Type A connector.
- USB-C5(-CE): four female USB Type A connectors.
- Supports low-speed and full-speed USB devices.
- USB 1.1 compliant.
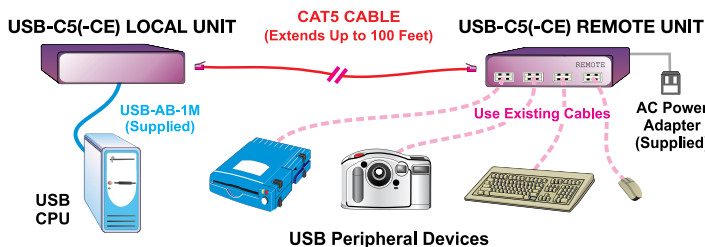- Supports self-powered and/or bus-powered USB devices.

Environmental

- Operating temperature: 32°F to 100°F (0°C to 38°C).
- Storage temperature: -20°F to 140°F (-30°C to 60°C).
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH.

MTBF

- USB-C5: 83,363 hrs
- USB-C5-CE: 86,988 hrs

Power

- USB-C5-LC:
  - Local unit: powered from attached computer.
  - Remote unit: powered from local unit.
    - USB port supports up to 400mA current.
- USB-C5(-CE):
  - Local unit: powered by CAT5 cable from remote unit.
  - Remote unit: 110 or 220 VAC at 50 or 60 Hz via AC adapter.
    - The combined current consumption of the connected devices cannot exceed 1.5A.

Regulatory Approval

- USB-C5-LC: CE, RoHS
- USB-C5: RoHS
- USB-C5-CE: CE, RoHS

Cables

Interface Cables

- One-meter male USB Type A to male USB Type B interface cable included with USB-C5(-CE).
- Existing device cables with male Type A connector required.

Extension Cable

- Use CAT5, CAT5e or CAT6 UTP straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

Extension Limits

- USB-C5-LC: extend CAT5/5e/6 up to 150 feet.
- USB-C5(-CE)): extend CAT5/5e/6 up to 100 feet.
  - When using certain MAC computers with USB-CS(-CE), the maximum extension is 75 feet.
- Use of CAT6 cable may decrease maximum length of extension.

Configuration and Cable Illustrations

USB-C5(-CE) LOCAL UNIT

CAT5 CABLE (Extends Up to 100 Feet)

USB-C5(-CE) REMOTE UNIT

REMOTE

USB-AB-1M (Supplied)

Use Existing Cables

AC Power Adapter (Supplied)

USB CPU

USB Peripheral Devices

Warning!

- The USB-C5(-CE) and USB-C5-LC are not designed to be connected to an Ethernet card, Ethernet router, hub or switch or other Ethernet RJ45 connector of an Ethernet device. Damage to devices connected to the Ethernet may result.

USB Extender Models

NTI Part #	# of Devices	Local and Remote Unit Sizes WxDxH (in)
USB-C5-LC	1	1.2x2.2x0.8
USB-C5	4	5.2X4.3X1.6
USB-C5-CE	4	4.9x4.1x1.1

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