LINDY®

COMPUTER CONNECTION TECHNOLOGY

USB Cat.5 Extender with Hub

User Manual	*English*
Benutzerhandbuch	*Deutsch*
Manuel Utilisateur	*Fançais*
Manuale d'uso	*Italiano*

USB Extender
Local Unit
(Computer side, attach
directly to mainboard)

USB Extender
Remote Unit
with 4 Port Hub
(Device side)

CE

FC
For Home and Office Use
Tested to Comply with FCC Standards

LINDY No. 42802

www.LINDY.com

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Introduction

The LINDY **USB Cat.5 Extender with Hub** can be used to extend the distance between USB devices and a host computer by **up to 50m / 150 feet**.

It consists of a local unit, with a USB Type A connector (host computer side), and a remote unit (device side) with a built in USB 1.1 four port hub. Standard Cat.5 network cable (UTP or STP) of up to 50m in length (150 feet) is used to connect the two units together.

The Extender supports USB 1.1 & 2.0 Full Speed data transfer (12Mbps) at distances of up to 50m (150 feet). At a maximum length of 40m for the Cat.5 interconnect cable, ONE additional USB hub (with power supply) can be connected to each port of the remote unit, to connect more than 4 USB devices.

When the USB devices you want to connect to the remote unit require more then 250mA in total (find this information in the Device Manager tab when you connect the devices to your computer), an optional USB power supply (5V DC regulated, e.g. LINDY No. 39290(UK), 39292(US), 39291(Schuko-IEC)) must be connected to the remote unit for proper operation of the USB devices.

Specifications

USB Interface: USB 1.1 type operation
Supports UTP/STP cable length up to 50m / 150 feet

Note: This unit works *transparently* to the USB bus. It does not fully meet all USB Specifications and as such only registers as a USB hub with the USB bus. It is capable of extending the USB maximum distance of 5m by one USB segment only. You cannot daisy-chain extenders. Please consider these limitations, otherwise the USB bus may not function correctly! It should also be directly connected to an exclusive (i.e. mainboard) USB port on your computer.

Please note: When using a high current USB device such as a modem, camera etc. with this extender, you must connect an optional power supply (not included)!

Technical Data

Operating Temperature: 0~40°C
Storage Temperature: -40~85°C
For indoor use only!

Please note: The USB Extender does not support the USB 50uA maximum Suspend Mode current limit.

Einführung

Der LINDY **USB Cat.5 Extender with Hub** wird verwendet um Distanzen zwischen Computer und USB Geräten **auf bis zu 50m** zu erweitern. Er besteht aus einer lokalen Einheit (mit USB-Kabel mit Typ A Stecker, Computerseite) und einer Remote-Einheit (Device-Seite) mit eingebautem USB 1.1 4 Port Hub. Zur Verbindung werden Standard-Netzwerkkabel bis zu 50m Länge (Kategorie 5 oder höher) verwendet.

Der Extender unterstützt den USB 1.1 / 2.0 Full Speed Mode Datentransfer 12MBit/sec.) über bis zu 50m. Bei einer maximalen Netzwerkkabellänge von 40m kann an jeden Port des USB Hub am Remote Unit **EIN** weiterer USB Hub angeschlossen werden um weitere USB Geräte anzuschließen.

Wenn die anzuschließenden USB Geräte zusammen einen höheren Strombedarf als 250mA haben (diese Info finden Sie im Windows Device Manager angezeigt), muss in jedem Fall ein optionales USB-Netzteil (5VDC, geregelt, z.B. LINDY Art.Nr. 39291) angeschlossen werden um einen fehlerfreien Betrieb sicher zu stellen.

Spezifikation

USB INTERFACE: Typ USB 1.1 Funktion
Kabellänge für Netzwerkkabel (UTP/STP Cat.5)   bis 50m
Dieser USB Extender arbeitet im USB Bus *transparent* und erfüllt nicht alle USB Spezifikationen. Er wird nur als USB Hub im USB Bus angemeldet. Daher kann er auch die maximale USB-Segmentlänge von 5m überschreiten! Es können **nicht** mehrere dieser Extender hintereinander verwendet werden. Alle oben genannten Punkte müssen durch den Nutzer selbst beachtet werden. Bei Überschreitung der Angaben kann das Funktionieren nicht garantiert werden.

Achtung! Bei Anschluss von USB High Current Devices wie USB-Modem, USB-Digicam etc. muss immer das optionale USB-Netzteil (z.B. LINDY Art.Nr. 39291, nicht im Lieferumfang enthalten) verwendet werden!

Technische Daten

Zulässiger Temperaturbereich für Betrieb: 0~40°C
Zulässiger Temperaturbereich für Lagerung: -40~85°C
Nur zur Verwendung in geschlossenen Räumen
Hinweis: Dieser USB Extender unterstützt nicht das USB 50µA Suspend-Mode Stromlimit.

Shielded cables must be used with this equipment to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

•   Reorient or relocate the receiving antenna

•   Increase the separation between the equipment and receiver

•   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

•   Consult the dealer or an experienced technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1.   This device may not cause harmful interference, and
2.   This device must accept any interference received, including interference that may cause undesired operation

LINDY No. 42802

Introduction

L' **USB EXTENDER** peut être utilisé pour étendre la distance entre un ordinateur et un périphérique USB jusqu'à 50 mètres. Cela consiste en une unité locale avec connecteur USB Type A (côté ordinateur) et une unité distante (côté périphérique) avec un hub USB 1.1 4 ports intégré. Un câble Cat. 5 STP standard est utilisé pour connecter les deux boîtiers. L'Extender supporte les transferts de données à 12 Mbits jusqu'à 50m. Sur une longueur maximale de 40m, un second hub pourra être interconnecté pour bénéficier de plus de connexions USB. Si les périphériques USB que vous souhaitez connecter utilisent plus de 250mA au total, une alimentation optionnelle est nécessaire (Art. 39291) et doit être connectée au boîtier distant.

Spécifications

INTERFACE USB: Type USB 1.1

Interconnexion par câble UTP/STP jusqu'à 50m

Ce boîtier travaille de façon transparente sur le bus USB. Il sera reconnu en tant que hub USB dans le système. Vous ne pourrez pas chaîner les Extenders et il est nécessaire de les brancher directement sur un port USB de l'ordinateur !

Cet appareil ne répond pas à toutes les spécifications USB.

Il permet d'étendre la longueur maximale de 5m de la norme USB pour un segment.

Remarque Importante: Si vous utilisez un périphérique consommant beaucoup de puissance, comme des modems, etc…., vous devez obligatoirement utiliser l'alimentation optionnelle pour l'Extender !

Données Techniques

Température d'utilisation: 0~40°C
Température de stockage   -40~85°C
Pour   utilisation   intérieure   uniquement !

Remarque : L'Extender USB ne supporte pas le mode de limitation d'énergie de 50µa.

Introduzione

Il **Lindy USB EXTENDER con Hub** permette di utilizzare periferiche USB fino a 50 m di distanza dal computer. Questo prodotto è composto da un'unità locale con un connettore USB tipo A (per il computer) e da un'unità remota con un connettore USB tipo A femmina (per la periferica) con un Hub USB 1.1 4 porte integrato. Per connettere queste due unità si utilizza un cavo di rete standard Cat. 5 (UTP o STP) lungo fino a 50 m.

L'Extender supporta le specifiche USB 1.1 e 2.0 con velocità di trasferimento dati di 12 mbps fino a 50m di distanza.

E' possibile collegare **un** Hub addizionale con alimentatore ad una distanza massima di 40m per connettere più di 4 periferiche USB.

Nel caso in cui le periferiche USB che si desidera collegare richiedano complessivamente più di 250mA è necessario collegare un alimentatore USB addizionale, art 39291.

Specifiche:

INTERFACCIA USB: USB 1.1

Lunghezza cavo UTP/STP di interconnessione fino a 50m

Questa unità non risponde completamente a tutte le specifiche USB e non verrà riconosciuta dal Bus USB come Hub USB. E' possibile raggiungere una distanza massima di 50 m utilizzando un solo apparato, non è possibile collegare più Extender in cascata.

L'utente deve tener conto di tutte le raccomandazioni precedentemente descritte; in caso contrario il BUS USB potrebbe non funzionare correttamente. Questa periferica deve essere connessa direttamente ad una porta USB del PC.

N.B.: Se utilizzato periferica USB ad alto assorbimento di corrente (Modem, Drive Esterni, ecc..) con questo Extender, ricordatevi di collegare sempre un alimentatore aggiuntivo (non in dotazione)

Dati Tecnici

Temperatura di funzionamento: 0~40°C
Temperatura di conservazione: -40~85°C
Esclusivamente per uso interno

Attenzione: questo Extender non supporta il sistema di sospensione automatica di corrente a 50uA