

10/100 Ethernet Extender Kit, Up to 0.5Mi (800M), Long-Range LAN Over Single Pair Wire/RJ45 UTP, Ethernet Booster For IP Video/Remote Sensors/WiFi APs

**Product ID:** C2-ETHERNET-EXTENDER



Extend a network or control remote equipment using this Ethernet Extender. Use UTP, Cat5, Cat5e, or Cat6 RJ45 terminated cable for distances of up to 0.5mi (800m). Dual-speed (10/100Mbps) Ethernet signal booster enables efficient and reliable network connectivity.

The unmanaged LAN extender utilizes the pairs of wires within a UTP cable to function as a bridge, extending a local network beyond the standard 328ft (100m) limit of a UTP cable. Use one or two pairs of twisted wire to achieve different speeds and distances to better suit the setup. Achieve up to 984ft (300m) at 100Mbps with a single pair of wires and up to 0.5mi (800m) at 10Mbps with two pairs of wires.

The booster kit ships ready to use in a standard setup (remote and local units). DIP switches allow to change the settings and behavior of the units for a custom deployment. Status LEDs provide a visual indication of the network and various settings that allow quick assessment of the setup.

The Long-Range LAN Extender can be wall-mounted, using the included hardware. The kit includes power adapters for each unit. Use the LAN extender adapter for Internet or network access to remote office or branch locations, create remote WiFi APs (Access Points), remote IP-based video surveillance, equipment management and control, VoIP, automation, and more. For maximum compatibility, RJ11 copper cable is supported to connect the remote and local units.

Being a transparent network device allows the network extender to support the following Ethernet protocols, such as WoL (Wake-on-LAN), 16K Jumbo frames, 802.1Q VLAN tagging, and PXE boot.

## Certifications, Reports and Compatibility



## Applications

## Features

- **ETHERNET LAN EXTENDER:** Unmanaged single-port dual-speed (10/100Mbps) RJ45 network extender kit; Reach distances of up to 0.5mi (800m) to overcome the typical limit of 328ft (100m) for Cat5/Cat5e/Cat6 copper Unshielded Twisted Pair (UTP) Ethernet cable
- **EXTENDED RANGE:** Use one or two pairs of cable for variable bandwidth and distance; Reach up to 984ft (300m) at 100Mbps using a single-pair Ethernet cabling & up to 2,624ft (800m) at 10Mbps using two-pair ethernet cabling
- **FEATURES:** Network extension kit acts as a transparent network device seamlessly passing Ethernet protocols; Supports IEEE 802.1q VLAN tag pass-through, WoL, 16K jumbo, PXE, and more; Supports RJ11 cabling; Includes power adapters for remote and local units
- **READY TO USE:** Long-range Ethernet booster ships ready for deployment; DIP switches for configuration; LED indicators for power, remote/master mode, network status, LAN speed, and LFPT, allowing IT administrators to monitor and assess network connectivity
- **APPLICATIONS:** Use the Ethernet range extender for remote Internet or network access, IP video surveillance, remote equipment diagnosis, management and control, WiFi APs, automation, VoIP, remote sensors, and more

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### Hardware

Warranty	2 Years
Industry Standards	IEEE 802.3u (100BASE-TX )  IEEE 802.3i (10BASE-TX)  IEEE 802.1Q (VLAN)  IEEE 802.1X (WoL)  

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### Performance

Maximum Data Transfer Rate	100 Mbps
Max Distance	800 m / 2624 ft
Bandwidth	100 Mbps
Jumbo Frame Support	16K max.

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### Connector(s)

Local Unit Connectors	2 - RJ-45
Remote Unit Connectors	2 - RJ-45

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### Software

OS Compatibility	No Drivers or Software Required
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## Power

Power Source	2 AC Adapters Included
Input Voltage	100 - 240 AC
Input Current	0.5
Output Voltage	12V DC
Output Current	1A
Center Tip Polarity	Positive
Plug Type	M
Power Consumption (In Watts)	3.8W

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## Environmental

Humidity	5% ~ 90% RH (non-condensing)
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## Physical Characteristics

Color	Black
Material	Plastic and Steel
Product Length	0.9 in [2.3 cm]
Product Width	3.8 in [9.6 cm]
Product Height	2.9 in [7.3 cm]
Weight of Product	2.6 oz [73.5 g]

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## Packaging Information

Package Length	5.9 in [150.0 mm]
Package Width	5.1 in [130.0 mm]
Package Height	7.1 in [180.0 mm]
Shipping (Package) Weight	31.6 oz [895.0 g]

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## What's in the Box

Included in Package	2 - Ethernet Extender
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2 - Power Adapter

2 - Mounting Bracket

4 - Mounting Screws

1 - Quick-Start Guide

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***\*Product appearance and specifications are subject to change without notice.***