UGREEN 65146

UGREEN Ethernet Extender 10Gbps Instruction Manual

Model: 65146

Introduction	Features	Setup	Operating	Maintenance	Troubleshooting	Specifications
				Warranty & Support		

1. INTRODUCTION

The UGREEN Ethernet Extender (Model 65146) is designed to extend the reach of your Ethernet network cables without compromising speed or signal integrity. This coupler supports high-speed data transfer up to 10Gbps and is compatible with various Ethernet cable categories, including Cat8, Cat7, Cat6A, Cat6, Cat5e, and Cat5. It also features Power over Ethernet (PoE) support, making it suitable for a wide range of networking applications.
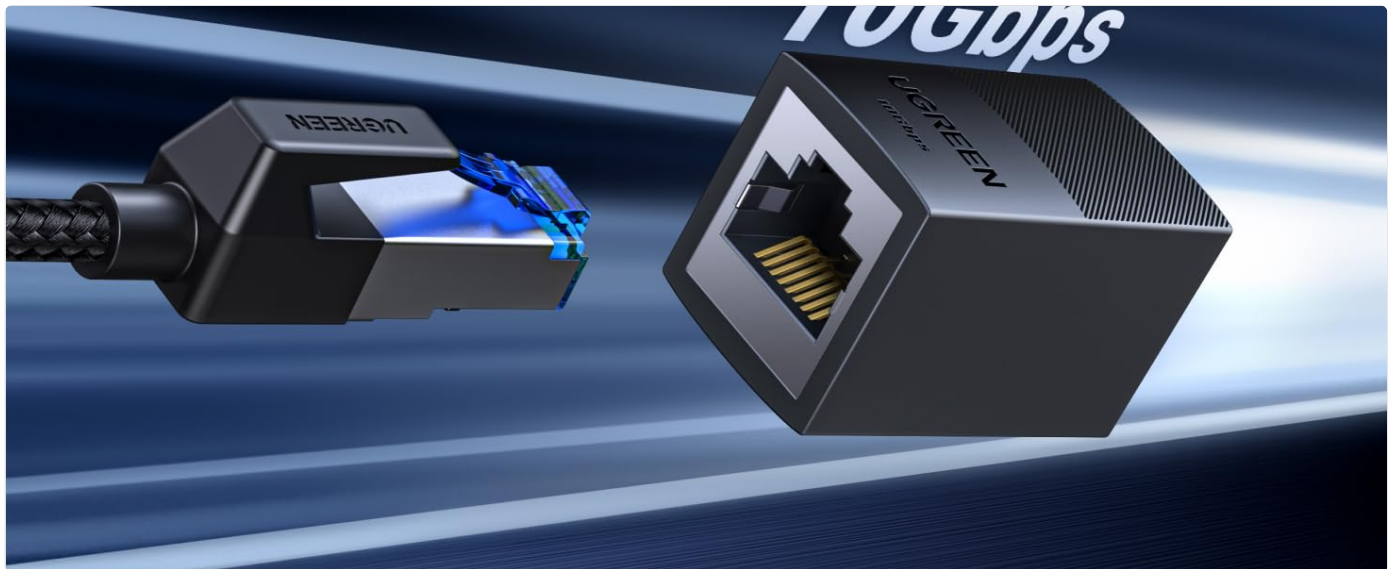

Image 1.1: The UGREEN Ethernet Extender highlighting its 10Gbps super speed capability.

2. KEY FEATURES

- **10Gbps Super Speed:** Supports data transfer rates up to 10 Gigabits Per Second, backward compatible with 1000Mbps, 100Mbps, and 10Mbps networks.

- **Effective Extension up to 328ft:** Ideal for extending Ethernet connections over long distances, providing flexibility

in network setup.

- **Stable and Secure Connection:** Features a stainless steel shield housing for a corrosion-free and reliable connection, minimizing signal interference.
- **Durable PVC Design:** Constructed with a sleek, durable, and portable PVC shell, ensuring longevity and ease of use.
- **Universal Compatibility:** Compatible with a wide range of Ethernet cable types including Cat8, Cat7, Cat6A, Cat6, Cat5e, and Cat5.
- **PoE Support:** Designed to support Power over Ethernet applications, allowing power and data to be transmitted over a single cable.

Image 2.1: The Ethernet Extender providing Power over Ethernet (PoE) to a security camera.

3. SETUP INSTRUCTIONS

The UGREEN Ethernet Extender is designed for simple plug-and-play installation. No drivers or software are required.

1. **Identify Cables:** Ensure you have two Ethernet cables (e.g., Cat6, Cat7, Cat8) that you wish to connect and extend.
2. **Connect First Cable:** Insert the RJ45 connector of your first Ethernet cable into one end of the UGREEN Ethernet Extender. Ensure it clicks securely into place.
3. **Connect Second Cable:** Insert the RJ45 connector of your second Ethernet cable into the other end of the UGREEN Ethernet Extender. Ensure it also clicks securely into place.
4. **Verify Connection:** Once both cables are connected, your extended Ethernet connection is ready for use.

Image 3.1: Demonstrating the simple plug-and-play connection of the Ethernet Extender.

4. OPERATING INSTRUCTIONS

The UGREEN Ethernet Extender operates passively, meaning it does not require external power or configuration. Once connected, it functions as a seamless extension of your existing Ethernet network.

- **Automatic Operation:** The extender automatically facilitates data transfer between the connected Ethernet cables.

- **PoE Functionality:** If your connected devices and network infrastructure support Power over Ethernet, the extender will pass through power without additional setup.

- **High-Speed Performance:** The extender maintains the high-speed performance of your Ethernet cables, supporting up to 10Gbps for compatible cables.
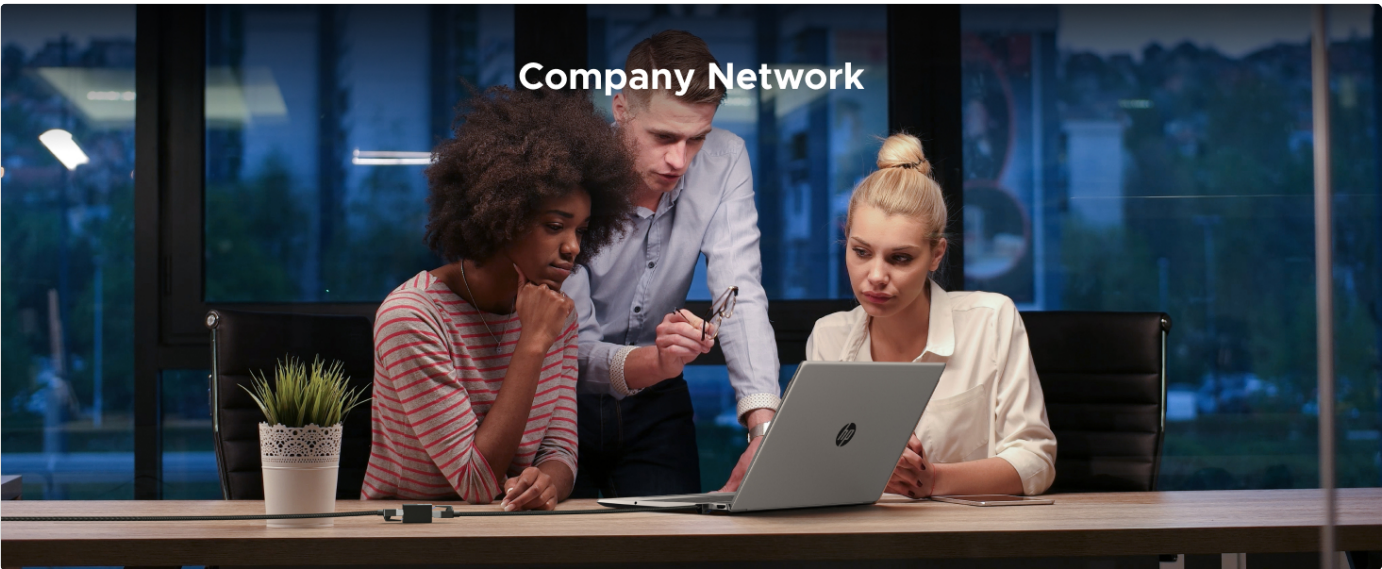
Image 4.1: The Ethernet Extender is compatible with a wide range of devices and network setups.

5. MAINTENANCE

The UGREEN Ethernet Extender requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Use a soft, dry cloth to gently wipe the exterior of the extender if it becomes dusty. Avoid using liquid cleaners or abrasive materials.

- **Storage:** Store the extender in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

- **Handling:** Avoid excessive force when inserting or removing Ethernet cables to prevent damage to the RJ45 ports.

6. TROUBLESHOOTING

If you encounter issues while using the UGREEN Ethernet Extender, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
No network connection after connecting extender.	Loose cable connection, faulty cable, or incompatible cable type.	- Ensure both Ethernet cables are securely plugged into the extender until they click. - Test each Ethernet cable individually to confirm they are functional. - Verify that your cables are compatible with the extender (Cat5e, Cat6, Cat7, Cat8).
Slow network speed.	Cable quality, excessive cable length, or network device limitations.	- Ensure you are using high-quality Ethernet cables (e.g., Cat6 or higher for 10Gbps). - While the extender supports up to 328ft, very long runs with lower category cables might experience some degradation. - Check the speed capabilities of your router, modem, and connected devices.

Problem	Possible Cause	Solution
Intermittent connection.	Loose connections, electromagnetic interference (EMI), or damaged extender.	- Re-seat both Ethernet cables firmly into the extender. - Ensure the extender and cables are not placed near strong sources of EMI (e.g., power cables, large electrical appliances). The extender's shielded design helps, but extreme interference can still be an issue. - Inspect the extender for any visible damage.

7. SPECIFICATIONS

Attribute	Detail
Brand	UGREEN
Model Number	65146
Hardware Interface	Ethernet (RJ45)
Compatible Devices	Desktop, Laptop, Smartphone, Tablet (via Ethernet adapter)
Data Transfer Rate	Up to 10 Gigabits Per Second
Data Link Protocol	Ethernet
Compatibility	Cat8, Cat7, Cat6A, Cat6, Cat5e, Cat5 Network Cables
PoE Support	Yes
Item Weight	30 Grams
Number of Items	2 (Pack)

8. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official UGREEN website or contact their customer service directly. Keep your purchase receipt for warranty claims.
UGREEN Official Website: www.ugreen.com