IOGEAR®

GCEH4K

4K HDMI Console Extender w/ Keyboard and Mouse Support

The GCEH4K extends HDMI signals, including 4K@60Hz video and high-quality audio, over up to 70 meters of Ethernet cables. It supports various HDR formats and offers features such as KVM (keyboard, video, mouse) extension and Power over Cable (PoC). Ideal for home theaters, conference rooms, and digital signage.

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

1 YEAR LIMITED WARRANTY

Features

- HDCP 2.2 compliant
- Supports 18Gbps video bandwidth
- Supports video resolution up to 4K @60Hz RGB/YCBCR 4:4:4
- Supports HDR, HDR10, HDR10+, and Dolby Vision pass through
- HDMI and KVM over one single Cat5e/6/6A cable up to 230ft/70m
- Zero latency
- Supports mouse & keyboard, touch panel extension via USB
- EDID copy pass-through function between the source device and display device
- Support bi-directional POC (Power over Cable) function
- Audio formats: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus (DD+)
- Support 3.5mm analog audio de-embedding, audio is output through the L/R OUT port of the receiver
- With USB KVM pass-through function, USB1.1 compliant, support remote-control by keyboard and mouse

Requirements

Transmitter:

- 1 x HDMI Source up to 3840x2160
- 1 x HDMI Display (Optional)

Package Contents

- 1 x Wired HDMI Transmitter
- 1 x Wired HDMI Receiver
- 1 x USB-A to USB-A Cable
- 1 x 12V/1A Locking Power Adapter

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- 1 x Ethernet Cable (Cat5e/6/6A) up to 230ft/70m
- 1 x USB-A port for Keyboard and Mouse Support
- 1 x Power source*

Receiver:

- 1 x HDMI Display
- 1 x Standard 3 button mouse
- 1 x Standard 104 key keyboard
- 1 x Power source*

* 1 x 12V/1A Power adapter included. Power-Over-Ethernet will share power to both units

- 4 x Mounting Ears
- 8 x Machine Screws
- 1 x User Manual
- 1 x Warranty Card

Specifications

FUNCTION	GCEH4K		DIMENSIONS	GCEH4K
Console Connectors			Unit Dimensions	
Monitor	1 x HDMI Female		Height	.87in.
Keyboard	1 x USB Type A Female		Depth	3.5in.
Mouse	1 x USB Type A Female		Width	2.7in.
CPU Connectors			Unit Package Dimensions	
Keyboard, Mouse, and Monitor	1 x HDMI 1x USB-B Female		Height	2.95in.
			Width	8.47in.
Unit to Unit Connectors	1 x RJ45 Female		Depth	5.31in.
Power Connections	1 x DC Jack		Master Carton	
LEDs			Height	11.5in.
Local	1 x Link Signal Indicator 1 x Data Signal Indicator		Width	9.76in.
			Depth	17.68in.
Remote	1 x Link Signal Indicator 1 x Data Signal Indicator		Master Carton Qty.	12
Power Consumption	Local: DC12V, 12W; Remote: DC12V, 12W		Weight	
Power			Master Carton Wt.	FILL
Voltage	DC12V		Unit Pack Wt.	FILL
Amps	1A		Unit Wt. w/accessories	FILL
Video Resolution	Up to 3840x2160@60Hz		Unit Wt.	.75lb
Cable Distance	Up to 230ft (70m)			
Environment				
Operation Temperature				
Storage Temperature				
Humidity				
Housing				
Case	Metal			