

Datasheet (GL-RM1PE)

Comet PoE Remote KVM with PoE



Comet PoE (GL-RM1PE) is a remote KVM hardware solution that enables you to control any computer from anywhere.

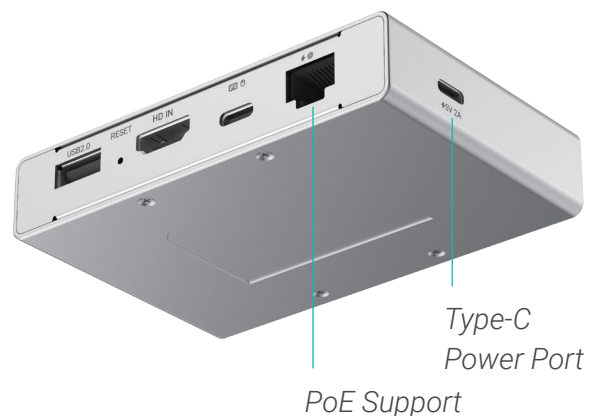
It is ideal for scenarios such as industrial equipment management, HomeLab device control, NVR system access, Raspberry Pi host management, and internal server maintenance. Additionally, it supports both PoE and Type-C power supplies to ensure smooth system operation.

When connected to extension devices like an ATX board or Fingerbot, it even allows you to power on your computer remotely.

Highlights

Power over Ethernet (PoE) Ready

Comet PoE enables easy device powering with PoE support. Users can simply connect it to a PoE switch to eliminate extra power adapters and reduce cable clutter. In addition, it also supports 5V power adapters, allowing simultaneous use of both PoE and power adapter for uninterrupted operation.



Built-in 32GB eMMC

Comet PoE comes with an onboard 32GB eMMC storage, providing users with an ultra-large capacity to pre-store two or more system images. This enables smoother system reinstallation while offering enhanced scalability for future needs.





4K Remote Display

Comet PoE supports remote video resolutions up to 4K@30FPS, delivering high-definition visuals with low latency, providing users with an excellent remote-control experience.

Two-way Audio

Whether you're on Zoom or Microsoft Teams, Comet PoE ensures smooth communication with built-in two-way audio (HD output + USB-C input), making remote collaboration feel local.

Relative/Absolute Mouse Mode

Comet PoE features dual mouse modes: absolute for precise touchscreen control and relative for compatibility with devices like NVR systems to touchscreens. This eliminates alignment issues while supporting both modern and legacy systems.

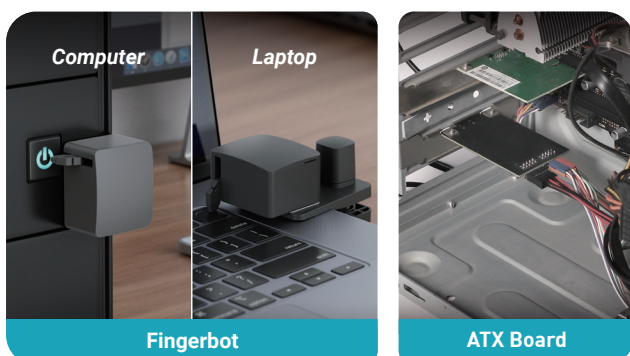
Smart Mouse Jiggler

Comet PoE prevents sleep mode interruptions-automatically keeping remote systems awake during lengthy tasks like software updates, so screensavers or standby won't disrupt your work.



Self-Hosted Server and Deployment

Comet PoE enables flexible self-hosted deployment on mainstream operating systems, including Linux and Ubuntu, giving users full control over remote access and data privacy. The system requires a cloud server with at least a dual-core CPU and 2GB of memory. With GL.iNet not collecting any personal information, this feature ensures both privacy and reliable operation.



Smart Accessory Integration

Comet PoE includes a USB interface for easy connection of external devices like ATX boards and Fingerbots, enabling remote power control of your equipment.

Specifications

HARDWARE	
CPU	Quad-core ARM Cortex-A53
Memory / Storage	DDR3L 1GB/32GB eMMC
Ethernet Speed	10/100/1000Mbps
Power Consumption	<5W
Dimension/Weight	102 x 70 x 22mm / 140g

SOFTWARE FEATURES	
Operating System	Linux
Ethernet Dialing Mode	DHCP, Static
System Function	Remote KVM Control Virtual Keyboard Customized EDID Clipboard Hotkeys Image Quality Adjustment Screen Rotation File Transfer Power Control

INTERFACE

Ethernet Port	1 x 1Gbps (802.3af/at PoE support)
USB Port	USB2.0 Type-A (for external extension) USB2.0 Type-C (use as USB device)
LED Indicator	1 × LED indicator (Blue: Power status / White: Ethernet status)
Reset Button	Long press (>=8s) to restore factory settings
Power Port	Ethernet (PoE) / Type-C (Optional 5V/2A, PD-compatible)

CERTIFICATION

- CE
 - WEEE
 - FCC
- RoHS
 - California Proposition 65

ENVIRONMENT

Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	5% ~ 95%, Non-Condensing
Storage Humidity	5% ~ 95%, Non-Condensing

PACKAGE CONTENTS

1 x Comet PoE (GL-RM1PE)
1 x USB Cable (Type-A to Type-C)
1 x USB Cable (Type-C to Type-C)
1 x HD Cable
1 x Ethernet Cable
1 x User Manual
1 x Warranty Card

CONTACT US

GL TECHNOLOGIES (HONG KONG) LIMITED

Unit 601, Building 5W, Hong Kong Science Park, Shatin, N.T., Hong Kong

WEBSITE www.gl-inet.com | **E-MAIL** sales@gl-inet.com