

Datasheet (GL-RM4PE)

Comet X Quad-port Remote KVM with PoE Support



Comet X (GL-RM4PE) is a powerful 4-port KVM solution designed for centralized management of up to four servers with seamless switching. It features a 3.69-inch TFT touchscreen for intuitive setup and supports Power over Ethernet (PoE) to reduce cable clutter and save rack space. Equipped with 64 GB high-speed eMMC storage, it enables users to store and deploy large system images or backup files with ease.

For local access, Comet X provides HDMI loop-out and USB keyboard/mouse passthrough for direct host control. With expansion accessories such as ATX motherboard adapters or Fingerbot integration, it also supports remote power control, making it suitable for both home labs and professional server environments.

Highlights

Power over Ethernet Ready

Comet X supports power delivery via a PoE switch, eliminating the need for a separate power adapter and reducing cable usage. It also supports 5V DC power input for added flexibility. Together, PoE and DC input offer flexible power configurations and ensure continuous, uninterrupted operation.



Seamless Quad-device Control

Comet X enables control of up to four host systems via four HDMI input ports and four dedicated USB Type-C device ports, with seamless switching between channels using the front-panel button or the remote interface. For local operation, it provides HDMI loop-out and USB keyboard/mouse passthrough, allowing direct control of connected hosts through a single console.





4K Display & Two-way Audio

Comet X supports video output up to 4K@30FPS with HDMI out passthrough, allowing simultaneous local display and remote access without an external splitter. It also features two-way audio, enabling clear communication for video conferencing or remote technical instruction.

Rack-ready Design & Touchscreen

Comet X features an aluminum alloy chassis with matte ABS finish, and a dark gray body with smooth contours and rounded corners. It supports rack-mounted installation with 10-inch and 19-inch rack-mount brackets. A 3.69-inch TFT touchscreen provides an intuitive interface for seamless user experience.



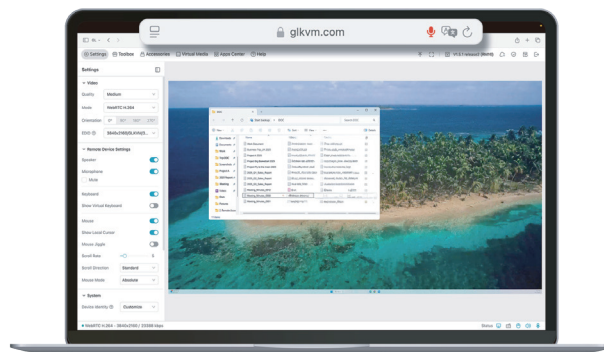
64 GB eMMC for Large Capacity & High-speed Transfer

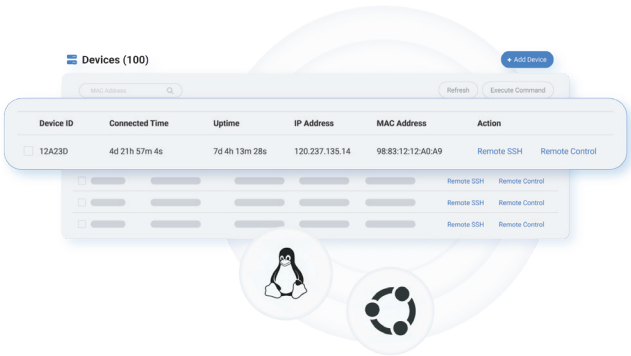
Comet X features 64 GB onboard eMMC storage, providing ample space for system images, backups, and deployment packages without frequent deletion and re-uploading. It supports data transfer speeds of up to 25 MB/s, enabling a 6 GB OS image upload in approximately five minutes.*

**Results are based on internal lab tests. Real-world speeds may vary depending on network configuration.*

Browser-based Remote Control

Comet X allows users to access the KVM interface directly through a web browser, eliminating the need for client installation. This browser-based access uses secure HTTPS encryption with no self-signed certificate warnings, ensuring safe and effortless connectivity without software installation.





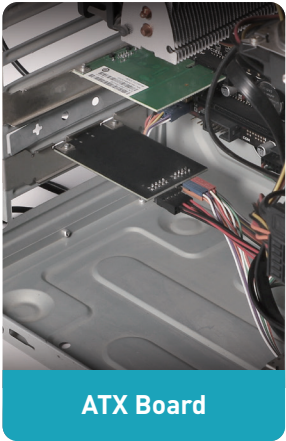
Self-hosted Server and Deployment

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

Accessory Integration for Remote Power Management

Comet X features a USB interface for connecting external devices such as an ATX board and a Fingerbot, enabling remote power control of the connected device.

**Optional accessories sold separately.*



Specifications

Hardware	
CPU	Quad-core ARM Cortex-A53
Memory / Storage	DDR3L 1GB / 64GB eMMC
Ethernet Speed	10/100/1000 Mbps
Power Consumption	<8W
Dimension / Weight	170 x 90 x 40 mm / 560g

SOFTWARE FEATURES	
Operating System	Linux-6.1
Ethernet Dialing Mode	DHCP, Static IP
System Function	Remote KVM Control Virtual Keyboard Clipboard Hotkeys Image Quality Adjustment Screen Rotation File Transfer Power Control 2FA Tailscale/Zerotier/Netbird Keyboard / Mouse Passthrough
INTERFACE	
Ethernet Port	1 x 1 Gbps (802.3af/at PoE support)
USB Port	3 × Front USB 2.0 Type-A Ports (For local keyboard, mouse, and USB device access) 4 × Rear USB 2.0 Type-A Ports (For connecting peripherals and other accessories) 4 x USB 2.0 Type-C Device Ports (For connection to host computers)
TFT LCD Touchscreen	3.69 inches
HDMI Port	4 x HDMI IN, 1 x HDMI OUT
Function Button	1 x Function Button (Short press to switch port; long press ≥8s to restore factory settings)
Power Port	Ethernet (PoE) / Type-C (Optional 5V/3A, PD-compatible)

CERTIFICATION

- CE
 - FCC
 - REACH
 - IC
 - RoHS
- WEEE
 - California Proposition 65
 - HDMI
 - RCM
 - ERP
 - DOE&Nrcan

ENVIRONMENT

Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	5% ~ 90%, non-condensing
Storage Humidity	5% ~ 95%, non-condensing

PACKAGE CONTENTS

- 1 x Comet X (GL-RM4PE)
- 4 x USB Cables (Type-A to Type-C)
- 4 x HDMI Cables
- 1 x Ethernet Cable
- 2 x 10-inch Rack Mount Brackets
- 2 x 19-inch Rack Mount Brackets
- 1 x Screw Bag
- 1 x User Manual
- 1 x Thank You Card



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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