



## KIM G4

Raritan's KIM G4 daughtercards offer high-performance platform independent KVM-over-IP management, Virtual Media and IPMI 2.0 support.

## Really Independent, Now.

### The perfect remote control

Enjoy the full range of KVM-over-IP with Raritan's KIRA™100 Chip power for your embedded applications including graphic console redirection (KVM) and power on/off. With KIM G4 based products your customers have unrestricted access to their servers/KVM devices anytime from any internet-capable workplace in the world. Integrated, KIM G4 provides maximum stability and availability not dependent on the current mode of the server/KVM devices operating system. The KIM G4 module in SO-DIMM format allows a quick integration into your embedded applications.

### KIM G4 Key Features

- 100% platform independent
- KVM-over-IP/Serial-over-IP
- Mouse/Keyboard emulation via PS/2 or USB
- No additional software needed
- Control via web browser
- IPMI 2.0 support
- Virtual Media via USB
- Individual OEM customization possible

## Applications for the KIM G4

The KIM G4 offers OEMs (especially KVM device manufacturers) a powerful, modular and flexible way to design KVM devices that meet the needs of their customers. For end customers the high-performance KIM G4 module minimizes server downtime and increases IT productivity by enabling tasks like operating system installation and power cycling on the KVM device to be done remotely. In addition, the KIRA™100 based module helps server OEM's and KVM device manufacturers save board space and reduce system costs.

## KIM G4 Technical Data

- ARM 920T V4-compliant RISC CPU with 16kb Data/Instruction cache, running at a max. clock speed of 200MHZ
- Video Sampling Controller (VSC2) function block to accelerate video processing and compression for outstanding KVM-over-IP performance (30fps)
- Supporting max. video resolutions of up to 1600 x 1200 @ 75Hz
- 32 MB SDRAM, 8 MB Flash

- PS/2 Host-/Device Interface (separate 8-Bit Microcontroller)
- USB 2.0 Device Interface (High Speed)
- 2x UART, 2x 10/100 Mbps Ethernet Interface, 1x I2C Master/Slave
- Edge connector JEDEC Standard No. 21-C, Module 4.20.6
- Power consumption: 800 mA @ 3.3V
- Size: (LxWxH):2.7" x 2.0" x max. 0.18"; 67.5mm x 50.8mm x max. 4.5mm
- Weight: < 100 g

## KIM G4 Security Features

- SSLv3/TLSv1 encryption of all data with up to 256 bit
- Support of SSL certificate management
- Logging of all important events and notification over SNMPv3 or e-mail
- LDAP/RADIUS Support
- Integrated Firewall

**When you're ready to take control,  
do it with Raritan's KIM G4.**

**Call +31.10.2844040 or visit [Raritan.info](http://Raritan.info)**

Raritan is a leading supplier of solutions for managing IT infrastructure equipment and the mission-critical applications and services that run on it. Raritan was founded in 1985, and since then has been making products that are used to manage IT infrastructures at more than 50,000 network data centers, computer test labs and multi-workstation environments around the world. From the small business to the enterprise, Raritan's complete line of compatible and scalable IT management solutions offers IT professionals the most reliable, flexible and secure in-band and out-of-band solutions to simplify the management of data center equipment, applications and services, while improving operational productivity. The European headquarters is located in the Netherlands. More information on the company is available at [Raritan.info](http://Raritan.info).

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