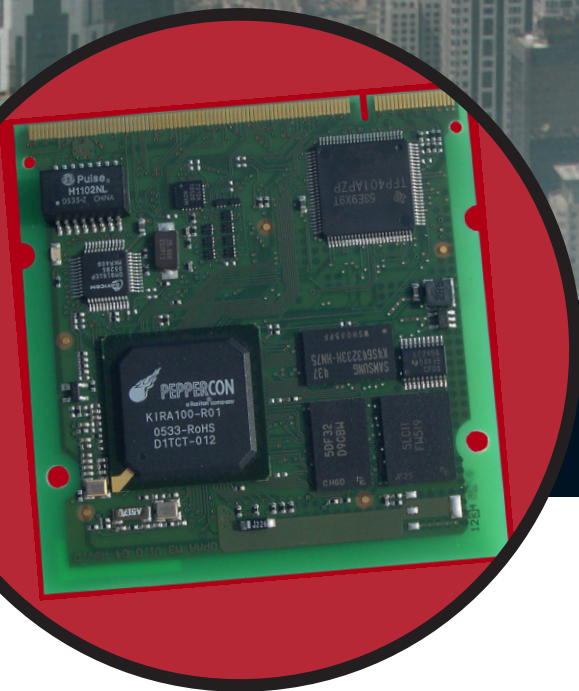


Better Access Remotely.



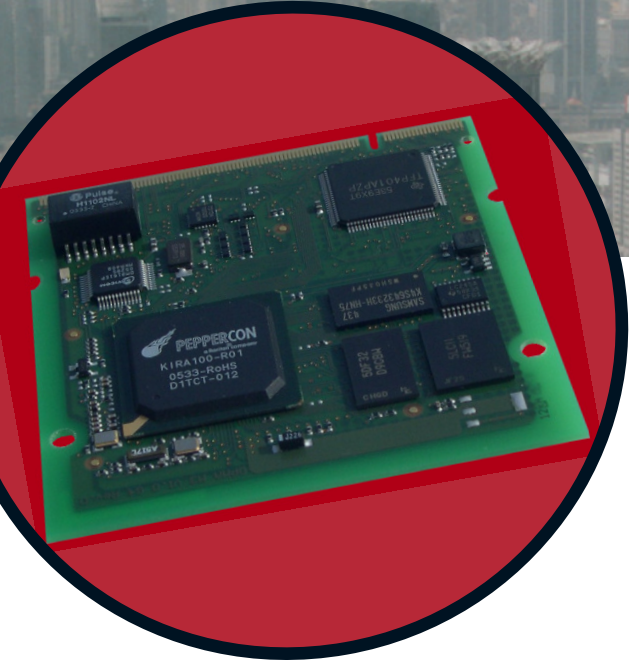
Virtual presence with OPMA compliant subsystems

Enjoy the full range of platform control including KVM over IP with the new KIRA100 single chip-based OPMA M3-G4 Module for your embedded applications including graphic console redirection (KVM) and power on/off. On OPMA M3-G4 equipped servers your customers have unrestricted access to their systems at anytime from any internet-capable workplace in the world. Integrated, OPMA M3-G4 provides maximum stability and availability not dependent on the current mode of the server's operating system.

Peppercon OPMA M3-G4

- Complete platform control
- Open Platform Management Standard
- 100% platform independent
- KVM over IP/Serial over IP
- Mouse/Keyboard emulation via USB
- No additional software needed
- Control via web browser
- IPMI 2.0 capable BMC
- Virtual CD/Floppy via USB
- Remote power management option
- Enterprise level management software
- Individual OEM customization possible





OPMA M3-G4



Technical Data

- KIRA100 (Single Chip KVM/IP + IPMI processor)
- 32 MB SDRAM, 8 MB Flash
- Digital Video Input standard (DVI1.0 1600x1200)
- USB 2.0 High Speed Interface
- IPMI Interfaces (LPC, PWM/TACHO, GPIO)
- 10/100 Mbps Ethernet Interface for direct RJ45 connection
- Module based on a low cost DDR SO-DIMM 200 JEDEC formfactor
- Low single 3.3V power consumption (approx 3.5 W)
- Size: (70mm(L) x 67.6mm(W) x 9mm(H) [7.756 x 2.661 x 0.354 inches])

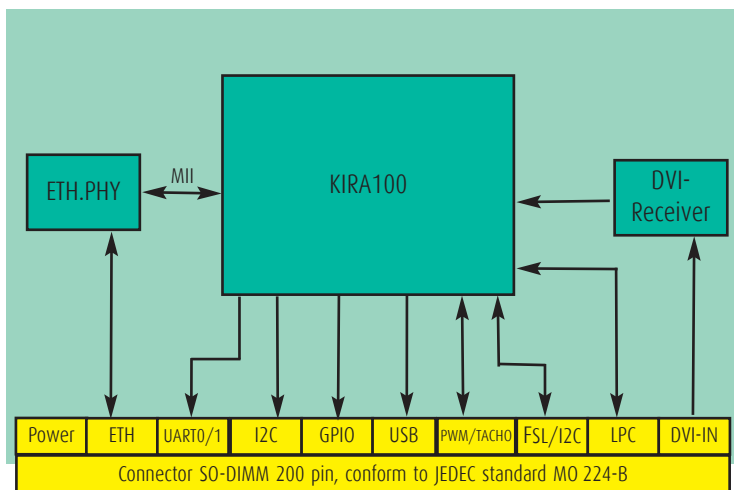
Security

- SSLv3/TLSv1 encryption of all data with up to 256 bit
- Support of SSL certificate management
- Logging of all important events
- Up to 150 user profiles separately definable with individual rights

Software Development Kit

- SDK - OEMIZER for GUI modification
- SDK - Reference design (Gerber, Schematics, BOM) for integration
- full featured SDK with Source/binary code available

- **OPMA** (Open Platform Management Architecture) suggests different usage cases of daughterboards fitting into a commonly used SO DIM 200 connector
 - entry level IPMI 1.5 based BMC only,
 - IPMI 2.0 ready BMC functions,
 - BMC + KVM redirection
- The main goals of the OPMA specification are to:
 - standardize the server management subsystem hardware interface architecture using a modular approach while continuing to allow intelligent innovation in management subsystems,
 - reduce platform development risk, cost, and time to market,
 - broaden motherboard applicability,
 - enable the evolution of manageability subsystem hardware into a COTS (commercial off the shelf) model that supports various tiers of capability/price,
 - assist OEMs in moving to an outsourcing model for server design by enabling a multi-vendor approach for supplying the manageability subsystem. Give OEMs a build or buy decision that is not available today,
 - increase customer satisfaction by providing more customer flexibility and choice at a reduced cost,
 - enable cost reductions obtained by using COTS devices to drive enhanced manageability into markets that could not previously afford it,
 - enable management subsystem infrastructure competition by providing a level playing field,
 - free up the PCI slot commonly used for Remote Management Cards while increasing performance of the remote graphics console.



- OPMA was initiated by AMD and is supported among others by Peppercon http://www.amd.com/us-en/assets/content_type/utilities/32200-OPMA_Spec.pdf

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TECHNICAL DATA