

# Agilent Technologies Remote Management Pre-Integrated RMC 3.0 for Intel Nocona & Lindenhurst Chipset Reference Designs

## Key Features

- IPMI compliant BMC solution
- KVM and serial console over LAN
- Virtual/Remote storage
- PCI-X short card with Intel System Management Connector (SMC)

## Key Benefits

- Supports advanced manageability and BMC features in a single solution
- Pre-integrated and pre-customized remote server management solutions provided by Agilent Technologies in cooperation with Intel
- RMC 3.0 development kit available for the Intel Nocona-Lindenhurst PCI-Express reference design implementation



# Agilent Technologies Remote Management

## Pre-Integrated RMC 3.0-for Intel Nocona & Lindenhurst Chipset Reference Designs

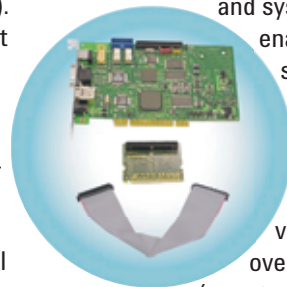
Agilent Technologies makes its high-end remote system management technology available to adopters of the Intel Nocona-Lindenhurst PCI-Express reference design. In cooperation with Intel and BIOS vendors, Agilent has pre-customized and tested remote server management solutions to provide required system manageability features, as well as enriching servers based on the reference design with the full Agilent remote management capabilities.

Intel and other companies throughout the computer and communications industries are adopting the PCI Express standard as the successor to today's PCI and PCI-X architectures. The Lindenhurst Chipset is Intel's first chipset for servers based on PCI Express technology. The Nocona-Lindenhurst PCI-Express reference design provides server design information for Intel's PCI Express solution and next generation Nocona server CPUs. For the first time, Intel also adds a well defined interface for server management solutions to its reference design. This interface is used as an integration point for server management solutions provided by Agilent Technologies.

Besides the Nocona-Lindenhurst PCI-Express reference design, Intel offers an implementation with the Intel specified System Management Connector (SMC). This connector is utilized by the Agilent RMC 3.0 Remote Management Card to enable its full remote server manageability feature set. Adopters of the Nocona-Lindenhurst PCI-Express reference design have two implementation opportunities with Agilent either, 1) enhance their systems with an optional management solution based on the SMC and the Agilent accessory card or 2) embed server manageability features directly on the motherboard based on other Agilent chip or embedded KVM solutions.

The highly integrated solution enables OEMs to exclusively provide not only IPMI compliant BMC functionality but also Agilent's advanced manageability features on Lindenhurst platforms. With server integration and development investment reduced to an absolute minimum, OEMs can quickly and easily capitalize on Agilent's manageability architecture to take advantage of high-end remote management capabilities in combination with the new Intel servers.

The RMC 3.0 features the industry-leading flexible BMC architecture from Agilent Technologies which provides remote power and system hardware control,



enabling power cycling, shutdown & reboot.

The Agilent advanced manageability features include serial console over LAN, keyboard, video and mouse (KVM) over LAN and virtual /remote storage capabilities.

### The Agilent BMC & Remote Management implementation for Intel Servers based on the reference design for the Nocona-Lindenhurst Chipset

Virtual/Remote Storage provides a connection to remote hard disk images, CD-ROMs and floppy disk drives, enabling users to perform a system boot or OS installation, as well as remote drive access during system operation.

The advanced security features complete the package by including encryption using SSL 128 Bit and user authentication

### Related Literature

Remote Management Solutions, Brochure

### Pub. Number

5980-2159E

For more information on this program, please visit:

[www.agilent.com/find/rmc](http://www.agilent.com/find/rmc)

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