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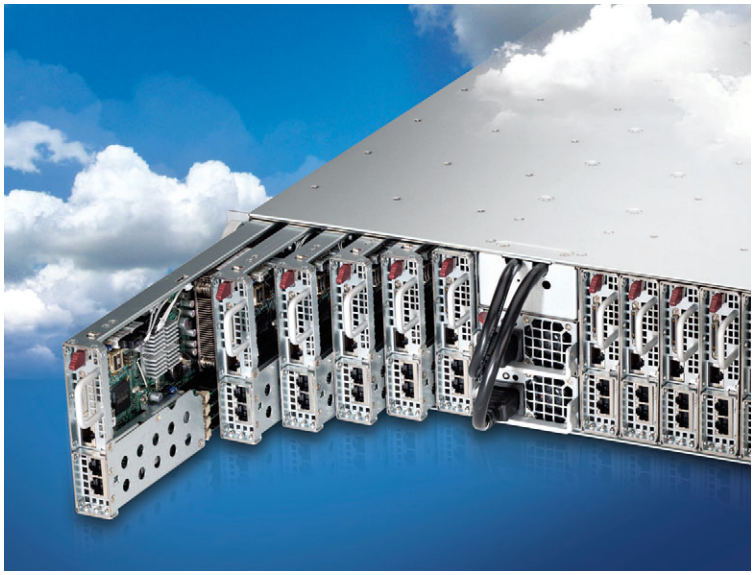
ON THE COVER

SUPERMICRO®

MicroCloud Solutions

Hardly a static environment, today's data center battles two main problems: not enough space and/or capacity to accommodate a growing influx of data, and not enough processing power and/or bandwidth to handle increasingly demanding applications. The MicroCloud solutions from Supermicro® tackle these problems affordably without sacrificing the strong enterprise performance you expect from your IT hardware. Turn to the Essential Business Tech department for details.



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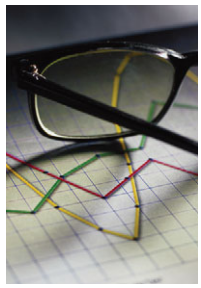

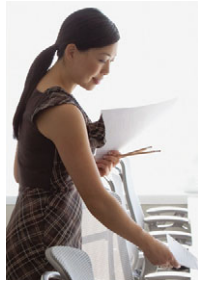

Contact Us
P.O.Box 82545
Lincoln, NE 68501
or
120 W. Harvest Drive
Lincoln, NE 68521

Advertising: (800) 247-4880
Fax: (402) 479-2104

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www.pctoday.com
email: feedback@pctoday.com

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SUPERMICRO

Same Space, Evolving Demands

Supermicro® MicroCloud Solutions Help IT

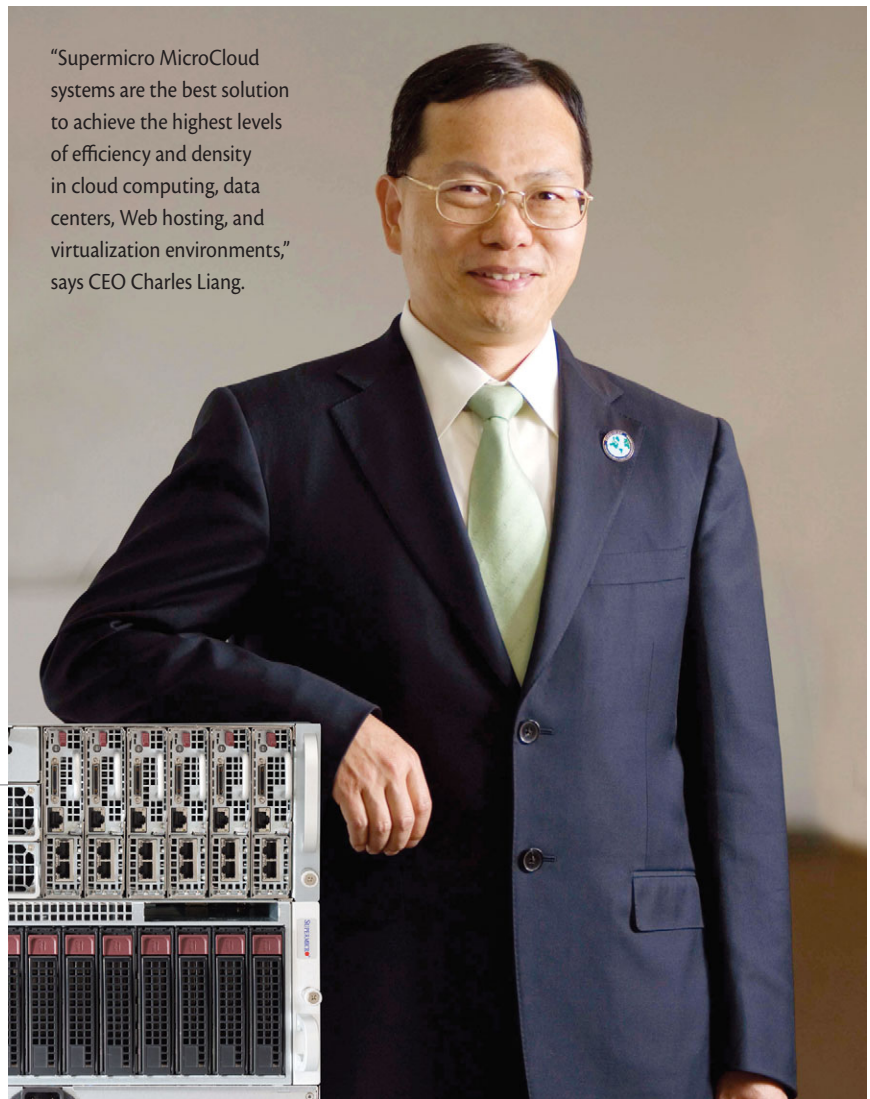
Today's data centers battle two main problems: lack of space and/or capacity to accommodate a steadily growing influx of data, and not enough processing power and/or bandwidth to handle increasingly demanding applications. MicroCloud SuperServer® solutions from Supermicro® (www.supermicro.com) tackle these problems affordably without sacrificing the strong enterprise performance you expect from your IT hardware.

With 12 or 8 server nodes per system, MicroCloud systems provide high density in a small amount of space, thereby addressing capacity concerns. To meet application demands in a variety of environments, the systems use Intel® Xeon® processors and high-efficiency redundant power supplies. "Supermicro MicroCloud systems are the best solution to achieve the highest levels of efficiency and density in cloud computing, data centers, Web hosting, and virtualization environments," says Charles Liang, Supermicro CEO.

MORE EFFICIENT FOR IT

Each cable-free, hot-pluggable server node within a MicroCloud system operates independently. This means that if one node goes down, the other nodes will not be affected. Supermicro designed the system to provide easy access to each node, so servicing of the system is easy, resulting in greater efficiency for IT personnel. "Data center managers appreciate the hot-swappable HDDs and high density providing the best performance per rack," says Liang.

The entire system is integrated into a single compact 3U chassis, which saves more than 60% of rack space compared to standard 1U server offerings. "The 12-node MicroCloud systems also feature the newest BBP [Battery Backup Power] technology," adds Liang, "which offers the best data



"Supermicro MicroCloud systems are the best solution to achieve the highest levels of efficiency and density in cloud computing, data centers, Web hosting, and virtualization environments," says CEO Charles Liang.

center power efficiency and helps to eliminate bulky and expensive UPS equipment."

FLEXIBLE & FUTURE-READY

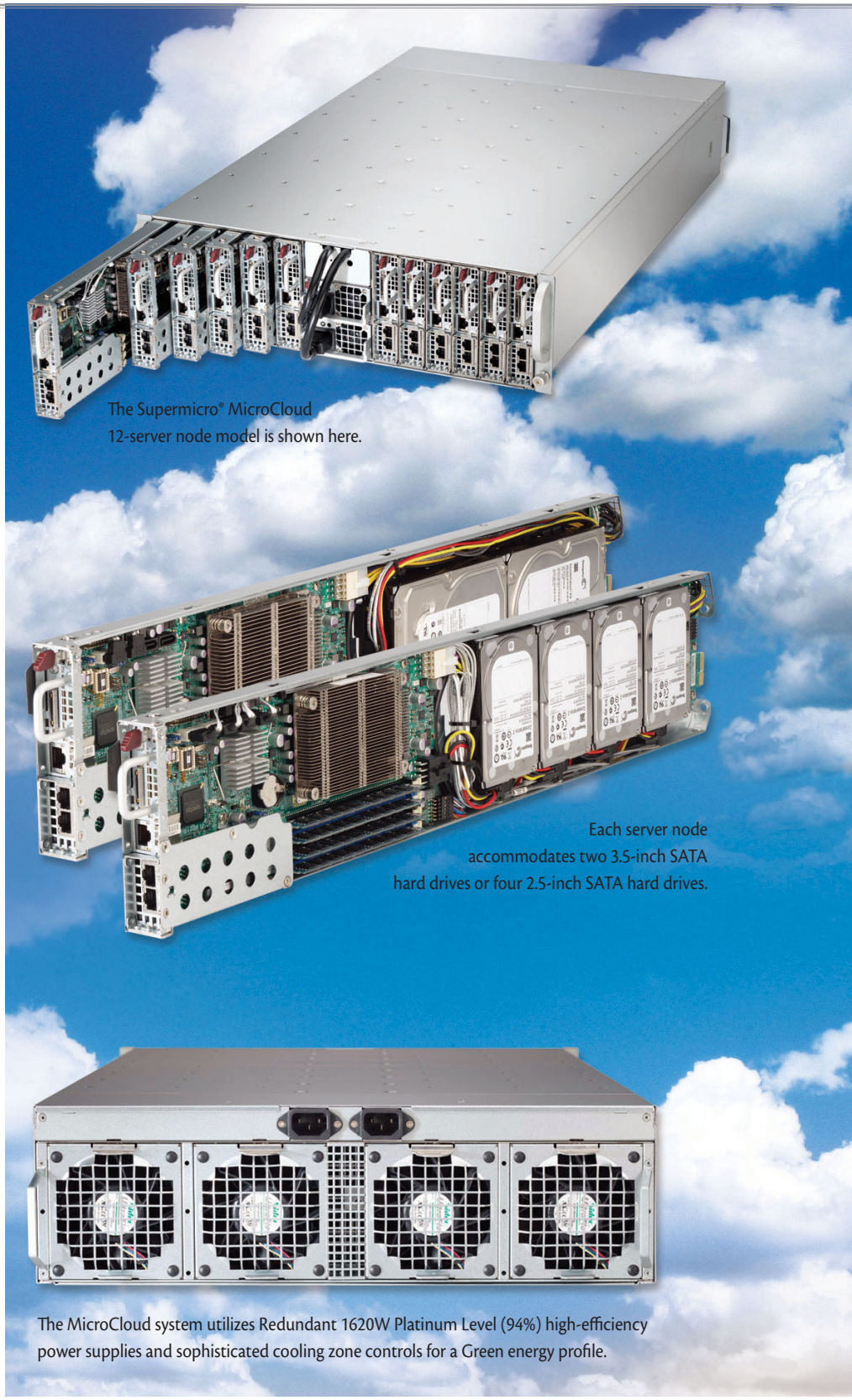
Each node accommodates two 3.5-inch or four 2.5-inch SATA hard disk drives. For companies seeking to expand network connectivity, the system supports the addition of optional two-port microLP Ethernet adapters.

"The MicroCloud 8-node system supports PCI-E expansion, which can help cloud computing customers to create up to eight independent cloud configurations with a single system," says Liang. "MicroCloud systems also have two Gb LAN ports and a dedicated management port as standard features, making it an ideal platform for Web 2.0 and cloud computing applications."

TOP PERFORMANCE

MicroCloud systems support Intel® Xeon® Processor E5-2600 product family or Intel® Xeon® Processor E3-1200 V2 product family. The E3-1200 processors, ideal for small businesses, simultaneously reduce energy consumption and deliver faster response times for applications. The E5-2600 processors, optimized for as much as 80% higher performance than previous processors, are geared toward IT organizations that employ virtualized data centers or cloud computing. Both processor families offer encryption.

MicroCloud systems also include Redundant 1620W Platinum Level (94%) high-efficiency power supplies and sophisticated cooling zone controls for a Green energy profile. Contact Supermicro for more information about integrating MicroCloud systems into your organization.



The Supermicro® MicroCloud 12-server node model is shown here.

Each server node accommodates two 3.5-inch SATA hard drives or four 2.5-inch SATA hard drives.

The MicroCloud system utilizes Redundant 1620W Platinum Level (94%) high-efficiency power supplies and sophisticated cooling zone controls for a Green energy profile.

Supermicro | (408) 503-8000 | www.supermicro.com