

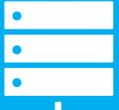


Are You Ready for

10 GIGABIT ETHERNET?

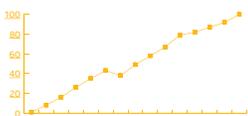
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Forces Driving 10GbE Adoption

 <p>SERVER VIRTUALIZATION</p>	 <p>SERVER PERFORMANCE INCREASES</p>	 <p>UNIFIED NETWORKING</p>	 <p>FLASH IN THE DATACENTER</p>
<p>More VMs are deployed than physical servers (IDC)¹</p>	<p>Ever-more powerful Intel® server processors support more VMs and drive ever-more demanding requirements on network I/O (IDC)¹</p>	<p>10GbE allows running all network storage traffic over an Ethernet pipe</p>	<p>Flash non-volatile memory offers 2X the read performance than hard disk drives (HDDs)</p>
<p>Hypervisors provide bandwidth control to manage traffic over shared 10GbE pipe</p>	<p>15% increase in throughput on Intel® Xeon® since 2006</p>	<p>Reduce network costs per rack by more than 50% by using Fiber Channel over Ethernet (FCoE) on existing Ethernet fabric²</p>	<p>Intel® Solid-State Drives (SSDs) can help remove storage capacity limitations</p>

10GbE adapters now support
NEW VIRTUALIZED DATACENTER
CAPABILITIES AND HIGHER PERFORMANCE

Demand queing and SR-IOV
FACILITATE NETWORKING
VIRTUALIZED SERVERS



10GbE DRAMATICALLY REDUCES COSTS
for cabling, power consumption, and infrastructure

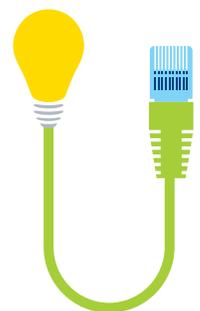


LOWER PRICES COMBINE WITH WIDE ECOSYSTEM SUPPORT for 10GBE

Intel® Data Direct I/O (Intel® DDIO) technology
INCREASES BANDWIDTH AND LOWERS LATENCY



The industry-leading small packet performance of Intel® Ethernet products gets even better with Intel DDIO



Intel® 10GbE Ethernet: The Time Is Now

Explore your opportunity:
www.intel.com/go/10GbE

1. IDC Server Virtualization Forecast Deliverable, November 2010.
2. <https://www-ssl.intel.com/content/www/us/en/it-management/intel-it-best-practices/converged-network-adapters-paper.html>
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