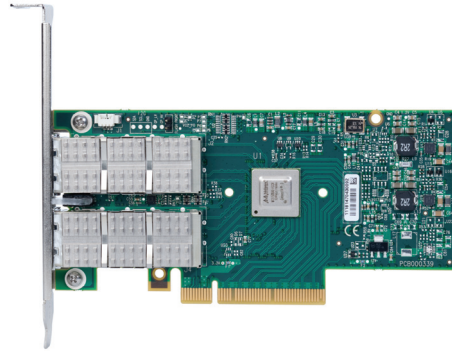


# Interconnect Solutions

## 10/40GbE Adapters



### Target Environments

- Web and Cloud Computing
- Virtualized Data Centers
- Clustered Databases

### Pain Points

- **Slow Application Performance**
  - 10/100/1000 MbE
  - Slow VM Migration
  - Slow Storage I/O
- **Expensive and Inefficient**
  - High CPU Overhead for I/O Processing
  - Multiple Adapters Required
  - Cabling and Rack Management

### 40GbE Benefits

- **Reduced CAPX**
  - Fewer Adapters to Purchase
  - Reduced Cable Quantity
  - Higher Throughput with PCIe 3.0
- **Reduced OPEX**
  - Industry Leading Power Efficiency
  - Reduced Management Complexity
  - Increased Productivity and Performance

## SCALABILITY & PERFORMANCE

### 10/40GbE with RDMA

- Only 2 $\mu$ s for VM to VM Connectivity
- Utilizing PCI 3.0 Express 8GT/s
- Reducing CPU Utilization to 2.5%

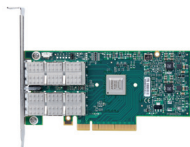
### Dell Server Versatility

- Rack, Blade and Tower Servers
- Tall, Short and Mezzanine Adapters
- Tuned for Virtual Environments
- Multiple OS Options

### Better Together

- The only 40GbE Adapter Available
- Industry Leading Adapters that support both TCP/UDP/IP and RDMA.
- Integrated with Dell Management Tools

## Interconnect Solutions 10/40GbE Adapters

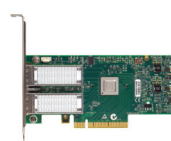
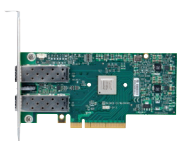


# ▶ OEM Adapters Available Dec. 2013

All Adapters, Cables and Connectors  
available now through Dell S&P

## Mellanox ConnectX®-3 Ethernet Adapter Cards

ConnectX<sup>®</sup>·3



Ports	2 x 10GbE	2 x 40GbE	2 x 10GbE
Connector	SFP+	QSFP	KR
Cabling Type*	Direct Attached Copper and SR Fiber Optic		N/A
Host Bus	PCIe 3.0		
Features	Stateless Offload, RDMA, SR-IOV, RoCE, iSER, PXE Boot.		
OS Support	Windows 2008 SP2 and 2008 R2, Windows 2012 and 2012 R2 (vNext), Linux Distributions** SLES11 SP2 / SP3, VMWare ESX/ESXi 5.5, XenServer 6.1 / 6.2		
Ordering Number	540-BBEF (FH) & 540-BBEL (LP)***	540-BBEG (FH) & 540-BBEM (LP)***	407-BBOG
Customer Kit	540-BBEN (FH) & 540-BBEO (LP)***	540-BBEJ (FH) & 540-BBEP (LP)***	540-BBEI

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