# Technology | Israel Technology | 7 July 2011

# MELLANOX TECHNOLOGIES 2Q Preview; A "Big Data" Winner

**We reiterate our 1-OW into 2Q results:** MLNX will report 2Q11 on July 20. We estimate revenues of \$61.8mn and non-GAAP EPS of \$0.20. This compares to consensus of \$61.9mn and \$0.21. We have noted throughout the quarter that we view our estimate as achievable given the full quarter contribution from the Voltaire acquisition (only contributed seven weeks in 1Q11) and the continued accelerating growth opportunity with Oracle, which jumped to 13% of sales in 1Q11 from under 10% in 4Q10 and 2010.

**Recent HPC data highlight technology prowess:** About 70% of MLNX revenues are generated in the HPC (high performance computing) segment. The most recent TOP500 results were released in June and the Infiniband now accounts for 41.2% of the TOP500; MLNX connects five of the top 10 fastest computers in the world and 90% of the Infiniband systems. Infiniband is now the predominant interconnect in the HPC category and MLNX serves an array of customers globally.

We view MLNX as a potential "Big Data" winner: Barclays Capital sees "Big Data," as one of the most important trends in technology. We see MLNX as well positioned in connecting the appliances that facilitate the storage and management of vast amounts of information. MLNX sells to ORCL (covered by Israel Hernandez), IBM (generally a 10% customer) and EMC (both covered by Benjamin Reitzes) all of which are viewed as market leaders by Barclays Capital.

**Risks to Thesis and Valuation:** We see the timing of revenues and Infiniband adoption rates as the largest risks to MLNX; this year integration of VOLT is a risk as well. Given momentum in the business and the ORCL and "Big Data" upside potential we believe that the stock could trade up to our "upside case," or \$36.

#### MLNX: Quarterly and Annual EPS (USD)

	2010		2011			2012		Chan	ge y/y
FY Dec	Actual	Old	New	Cons	Old	New	Cons	2011	2012
Q1	0.29A	0.24A	0.24A	0.24A	0.35E	0.35E	0.34E	-17%	46%
Q2	0.29A	0.20E	0.20E	0.21E	0.41E	0.41E	0.38E	-31%	105%
Q3	0.22A	0.29E	0.29E	0.28E	0.41E	0.41E	0.40E	32%	41%
Q4	0.21A	0.33E	0.33E	0.31E	0.47E	0.47E	0.44E	57%	42%
Year	1.01A	1.05E	1.05E	1.04E	1.64E	1.64E	1.56E	4%	56%
P/E	29.6		28.5			18.3			

Source: Barclays Capital

Consensus numbers are from Thomson Reuters

Barclays Capital does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report.

Investors should consider this report as only a single factor in making their investment decision.

This research report has been prepared in whole or in part by research analysts based outside the US who are not registered/qualified as research analysts with FINRA.

PLEASE SEE ANALYST(S) CERTIFICATION(S) AND IMPORTANT DISCLOSURES BEGINNING ON PAGE 7.

Stock Rating	1-OVERWEIGHT Unchanged
Sector View	2-NEUTRAL Unchanged
Price Target	USD 33.00 Unchanged
Price (05-Jul-2011)	USD 29.94
Potential Upside/Downsid	e +10%
Tickers	MLNX
Market Cap (USD mn)	1041
Shares Outstanding (mn)	34.77
Free Float (%)	69.90
52 Wk Avg Daily Volume (	mn) 0.3
Dividend Yield (%)	N/A
Return on Equity TTM (%)	2.51
Current BVPS (USD)	8.70
Source: FactSet Fundamentals	



Link to Barclays Capital Live for interactive charting

Israel Technology Joseph Wolf 972.3.623.8746 joseph.wolf@barcap.com Barclays Capital, London

#### COMPANY SNAPSHOT

Mo	llanox
IVIC	

Income statement (\$m)	2010A	2011E	2012E	2013E	CAGR
Revenue	155	252	319	353	31.6%
EBITDA	43	59	103	116	39.0%
EBIT	23	31	71	81	51.3%
Pre-tax income	23	31	49	81	51.7%
Netincome	36	34	66	101	41.1%
EPS (adjusted) (\$)	1.01	1.05	1.64	2.42	34.0%
Diluted shares (m)	37	39	40	42	4.4%
Dividend per share (\$)	-	-	-	-	NA

Margin and return data (%)				1	Average
Gross margin	73.8	66.9	68.0	75.7	71.1
EBITDA margin	28.0	23.5	32.4	33.0	29.2
EBIT margin	15.2	12.3	22.2	23.0	18.2
Pre-tax margin	15.1	12.4	15.2	23.1	16.5
Net margin	23.2	13.6	20.7	28.5	21.5
ROA	12.1	10.1	17.1	22.4	15.4
ROE	13.7	11.9	20.8	26.6	18.2
ROIC	5.7	4.9	8.2	10.6	7.3

#### Balance sheet and cash flow (\$m) Tangible fixed assets 15 18 30

	( )				
Tangible fixed assets	15	18	30	43	40.6%
Intangible fixed assets	0.29	167	167	167	NA
Cash and equivalents	108	54	72	128	6.0%
Working capital	268	146	182	243	-3.1%
Inventories	12	17	22	19	17.2%
Accounts receivable	20	40	51	56	41.5%
Accounts payable	7	18	22	19	42.5%
Total assets	316	363	411	485	15.4%
Short and long-term debt	NA	NA	NA	NA	NA
Total liabilities	34	47	52	49	12.7%
Shareholders' equity	282	296	340	416	13.9%
Change in working capital	40	(122)	37	61	14.9%
Cash flow from operations	41	30	43	84	26.7%
Capital expenditure	(11)	(10)	(22)	(25)	NA
Free cash flow	48	(110)	68	124	37.2%
Change in cash	64	(54)	18	57	-4.2%

#### Valuation and leverage metrics 67 - 60

EV/sales (x)	6.7	4.4	3.6	3.4	4.5
EV/EBITDA (x)	24.0	18.6	11.1	10.2	16.0
EV/EBIT (x)	44.4	35.5	16.2	14.7	27.7
P/E (adjusted) (x)	29.8	28.5	18.2	12.4	22.2
Price/FCF (x)	0.6	NA	0.4	0.2	0.4
FCF yield (%)	1.6	NA	2.3	4.1	2.7
Price/BV (x)	3.9	3.9	3.5	3.0	3.6
Dividend yield (%)	NA	NA	NA	NA	-

Source: Company data, Barclays Capital

Technology

\$36

\$24

Stock Rating	1-OVERWEIGHT				
Sector View	2-1	NEUTRAL			
Price (05-Jul-2011)	USD	29.94			
Price Target	USD	33			
Ticker		MLNX			

#### Investment case \$33 Why a 1-OW? We see the stock trading to 20x

2012e non-GAAP EPS. We believe that the IT spending trends, the near-term/live opportunity with Oracle, and other large opportunities like Web 2.0, make MLNX a winner in the technology environment.

#### Upside case

CAGR

Average

We believe our estimates for MLNX remain conservative given multiple potential growth opportuities. If our 2012e EPS improves to \$1.80, which could be driven by upside at Oracle or another large customer, we could see the stock trade up to \$36.

#### Downside case

While we are optimistic regarding MLNX's outlook, challenges in 2011 include the integration of VOLT and the roll-out of at least two new products. Should estimates fall back to our prior \$1.35 we would expect multiple compression to 18x and a stock price.

#### Upside/downside scenarios



Source: Thomson Reuters Datastream, Barclays Capital est.

**Total Revenues and Gross Margin** 



Note: FY end Dec.

# 2Q on track; 2011 estimates look achievable

MLNX will report 2Q11 on July 20. We expect that it will meet or exceed our estimates for revenue of \$61.8 million and non-GAAP EPS of \$0.20.

We are also comfortable with our 3Q11 and 4Q11 estimates of \$66.2 million and EPS of \$0.29 and \$69.2 million and EPS of \$0.33 respectively. This is in-line with consensus on revenues and a bit ahead on EPS.

Last year 3Q guidance was a bit messy for MLNX as a transition at HP to LOM (LAN on motherboard) blade servers caused a shift at MLNX from board sales to chip sales. The stock took a severe blow when guidance was below consensus. In our view the relative lack of transparency into the MLNX revenue stream caused the dramatic sell off. We believe that this was in part due to the fact that while MLNX sells into large customers like HP and IBM in every quarter, its relative small size means that correlating MLNX sales to overall industry trends tends to be difficult. In 2011 we believe that the ORCL opportunity is large enough to provide investors with a better view into MLNX and provide a higher degree of comfort surrounding forward estimates. This is due to the significance that ORCL management places on its Exadata/Exalogic deployment and the granularity that it has begun providing regarding this hardware platform. It is still early, but ORCL noted on its June 23 conference call that it has sold 1,000 Exadata systems, 150 in the quarter ended May 31, 2011 and is targeting 3,000 units in its FY12. This tripling of revenues implies 40% sequential growth in the coming four quarters.

Our forecasts do not require MLNX to grow this fast, and in fact even with current levels of disclosure it is early enough in the rollout that we are not 100% certain what inventory trends and overlap will look like given the timing of the fiscal quarters.

In figure 1 below we demonstrate that 2Q guidance only requires 5.5% growth in the non-ORCL and non-VOLT business to reach our estimates. 2Q has historically been a strong quarter for MLNX with greater than 10% growth posted in 2007, 2008, 2009, and 2010.

			Scenario A	Scenario B	Scenario C
	2010	2Q11E	2011E	2011E	2011E
Total Sales (MLNX+VOLT pro-forma)	215	61.8	252.3	252.3	252.3
Incremental revenues		6.7	37.3	37.3	37.3
Assumed revenue growth (seq in 2Q11)		12.2%	17%	17%	17%
Incremental VOLT revs		3.0	NA	NA	NA
Incremental - VOLT		3.7			
Oracle contribution	7.8	8.9	31.7	25	15
% Oracle	3.6%	14.5%	12.6%	10%	6%
Oracle growth rate (seq in 2Q)		25.0%	307%	221%	92%
Incremental revenues from all others		2.0	5.6	12.3	22.3
Assumed growth rate from all other customers		6%	2.7%	5.9%	10.8%

#### Figure 1: Incremental growth analysis

Source: Company and Barclays Capital

# MLNX could be a "Big Data" winner

Barclays Capital sees "Big Data" as one of the most important trends in technology and has published two recent reports developing these trends and suggesting potential winners. (See recent reports *U.S. IT Hardware: 'Big Data' Seems Like the Next Big Thing: EMC Well Positioned*, published on 5/17/11 and *U.S. IT Hardware: 'Big Data' Could mean Big Money in Analytics Appliances*, published on 6/28/11.)

With more and more unstructured data being created as digital content moves online in the form of videos, music and other data consuming media files, managing this data requires increasingly complex and sophisticated tools.

Barclays Capital believes that "Big Data" trends help support our estimates for external storage capacity growth of 42% annually through 2014. According to Ben Reitzes, "In IT Hardware, we believe that IBM (2-EW/1-Pos) and EMC (1-OW/1-Pos) are best positioned to win in this market given their current technology and strategic assets. IBM seems to be making the right investments in software and services, while leveraging its position in the database market. We believe IBM's business model gives it particular advantages in analytics software and value added services..." (see recent report: *U.S. IT Hardware: 'Big Data' Could mean Big Money in Analytics Appliances*, published on 6/28/11). Within Software, we also believe that Oracle is well positioned, leveraging its position in the database market. SAP (covered by Raimo Lenschow) with its HANA solution could also be an interesting partner for hardware vendors given its pure software focus.

Based on this investment case, we see Mellanox as a potential clear winner as well. We have been highlighting the MLNX opportunity at Oracle for some time now and in 1Q11 ORCL jumped to 13% of sales, the first time it has been a 10% customer (Sun was a historic 10% customer for MLNX in the HPC segment, but that hardware has been discontinued). MLNX's Infiniband switches are an integral part of the Exadata server platform – there are 3 MLNX Infiniband switches in each full rack Exadata configuration and 2 switches in the  $\frac{1}{2}$  rack and  $\frac{1}{4}$  rack configurations. List price for a full rack system is \$1 million, \$550,000 for a  $\frac{1}{2}$  rack and \$300,000 for the  $\frac{1}{4}$  rack. While we believe that the actual sales price is discounted we do believe that MLNX content in any Exadata system is \$9,000 - \$12,000. At a 3,000 system run rate one year from now (in line with an ORCL fiscal year) MLNX should be generating \$30 million plus from ORCL alone annually in the near term.

Barclays Capital sees EMC and IBM as two other winners in "Big Data," and MLNX is a potential winner with both of these customers as well.

EMC bought Isolon in 2010 to augment its storage business. As our colleague Ben Reitzes wrote, "...Isolon arguably has the most compelling scale-out solution and seems likely to increase share" (see recent reports *U.S. IT Hardware: 'Big Data' Seems Like the Next Big Thing: EMC Well Positioned,* published on 5/17/11). The Isolon platform is based on MLNX Infiniband.

Finally, IBM is almost always a 10% customer for MLNX. Much of this revenue has historically been in the HPC segment. MLNX recently announced that it is working with IBM on its db2 PureScale database product. We therefore see MLNX as a winner in the database market, independent of which hardware vendor wins.

In short, investors who believe in "Big Data" should see MLNX as a merchant vendor and very well placed in this fast growing and important technology trend.

# Valuation and model

MLNX shares do not look cheap at almost 28x 2011e non-GAAP EPS and 18x 2012e. However, having posted 20%+ growth in all recent years with the exception of 2009, and given the potential growth trajectory in 2011 and 2012 we do not believe the valuation to be too rich either. In fact, given our view that MLNX could exceed our estimates and consensus in each of the coming 3-5 quarters we believe that our upside case analysis, which could mean upside to our 2012e EPS to \$1.80 (up from our published estimate of \$1.64) is becoming more likely. In this scenario we believe that shares of MLNX could go beyond our \$33 PT and reach our upside case potential of \$36.

#### Figure 2: Peer valuation sheet

		BarCap	Price Price Target		Non GA	AP EPS	Non-GA	AP P/E
Company	Ticker	Rating	05/07/11	Fille Talyet	2011E	2012E	2011E	2012E
nVidia	NVDA	1-OW	\$15.88	\$26	\$0.65	\$1.05	24	15
Qualcomm	QCOM	1-OW	\$58.14	\$64	\$3.12	\$3.32	19	18
Skyworks	SWKS	1-OW	\$23.06	\$31	\$1.82	\$1.99	13	12
TriQuint	TQNT	1-OW	\$10.19	\$15	\$0.85	\$1.00	12	10
Atheros Communications	ATHR	0-RS	\$44.80	NA	NA	NA	NA	NA
Broadcom	BRCM	1-OW	\$34.27	\$45	\$2.66	\$2.84	13	12
Cavium	CAVM	1-OW	\$43.65	\$50	\$1.33	\$1.67	33	26
Marvell Technology	MRVL	2-EW	\$15.19	\$16	\$1.64	\$1.50	9	10
Texas Instruments	TXN	2-EW	\$32.92	\$37	\$2.45	\$2.70	13	12
ARM Holdings	ARM.L	2-EW	£6.02	£6.50	£0.10	£0.13	57	47
Ezchip	EZCH	1-OW	\$37.31	\$35	\$1.13	\$1.65	33	23
Ceva	CEVA	1-OW	\$31.68	\$34	\$0.82	\$1.15	39	28
Mellanox	MLNX	1-OW	\$29.94	\$33	\$1.05	\$1.64	28	18

Source: Company data, Barclays Capital

#### Figure 3: Mellanox - Income Statement

\$ Millions	2009	2010	1Q11	2Q11E	3Q11E	4Q11E	2011E	2012E
Total revenues	116.0	154.6	55.1	61.8	66.2	69.2	252.3	319.0
COGS SBC	28.7	40.6	19.2	20.4	21.8	22.2	83.6	102.1
Gross profit SBC	87.4	114.1	35.9	41.4	44.3	47.1	168.7	216.9
Operating expenses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
R&D SBC	42.2	56.8	20.4	19.8	19.9	20.4	80.5	88.0
Sales and marketing (non-GAAP)	17.0	22.1	8.7	7.7	8.6	8.7	33.7	38.1
G&A (non-GAAP)	9.4	11.7	8.4	6.2	4.3	4.5	23.4	20.0
Stock based compensation expense	10.7	14.1	4.4	5.3	5.3	5.3	20.1	22.3
Total operating expenses SBC	68.6	90.7	37.6	38.9	38.0	38.8	137.6	146.2
Income from operations SBC	18.7	23.4	-1.7	2.5	6.3	8.3	31.1	70.7
Other income, net	0.5	-0.1	0.0	0.0	0.0	0.0	0.2	0.2
Income before taxes	19.3	23.3	-1.6	2.5	6.4	8.3	31.3	48.6
Income taxes	-6.4	-9.8	0.0	-0.1	-0.5	-0.7	-1.3	-4.9
Net Income SBC	12.9	13.5	-1.6	2.4	5.9	7.6	14.3	43.8

#### Barclays Capital | Mellanox Technologies

	0.40	0.41	0.05	0.07	0.17	0.21	0.40	1 20
EPS, basic	0.40	0.41	-0.05	0.07	0.17	0.21	0.40	1.20
GAAP EPS, fully diluted	0.39	0.38	-0.05	0.07	0.17	0.21	0.41	1.18
NON GAAP EPS, fully diluted	0.81	1.01	0.24	0.20	0.29	0.33	1.05	1.64
Fully diluted shares (non GAAP)	35.4	36.6	38.1	38.6	39.0	39.3	38.7	39.7

Source: Company data, Barclays Capital

## Figure 4: Mellanox - Balance Sheet

rigare in menanox buildnee Sheet				
\$Millions	2009	2010	2011E	2012E
Assets				
Current Assets				
Cash and equivalents	43.6	108.0	54.1	71.9
Short-term investments	166.4	142.0	46.2	47.6
Restricted Cash	3.2	3.4	5.1	5.6
AR, net	20.4	19.9	40.4	51.0
Inventories	9.3	11.7	16.7	22.5
Deferred taxes	8.6	0.6	0.6	0.6
Prepaid expenses and other	3.8	3.9	3.2	2.5
Total Current Assets	255.3	289.4	166.3	201.8
РРЕ	9.7	15.5	17.5	29.6
Severance assets	4.6	5.8	6.8	7.8
Intangible assets, net	0.4	0.3	167.3	167.3
Deferred taxes	0.8	1.4	1.4	1.4
Other long-tem assets	4.5	3.4	3.4	3.4
Total Assets	275.4	315.8	362.7	411.3
Liabilities and Shareholders Equity				
Current Liabilities				
Accounts payable	8.8	6.5	18.4	22.5
Other accrued liabilities	14.8	16.9	16.9	16.9
Capital lease obligations, current	0.5	0.3	-0.2	-0.7
Total current liabilities	24.1	23.8	35.1	38.7
Accrued severance	5.8	7.4	8.2	9.0
Capital lease obligations	0.5	0.2	0.2	0.2
Other long-term obligations	2.1	2.8	3.3	3.8
Total liabilities	32.5	34.1	46.7	51.5
Total shareholders equity	242.9	281.7	296.0	339.7
Total liabilities and shareholders equity	275.4	315.8	362.7	411.3

Source: Company data, Barclays Capital

### ANALYST(S) CERTIFICATION(S)

I, Joseph Wolf, hereby certify (1) that the views expressed in this research report accurately reflect my personal views about any or all of the subject securities or issuers referred to in this research report and (2) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

#### IMPORTANT DISCLOSURES

For current important disclosures, including, where relevant, price target charts, regarding companies that are the subject of this research report, please send a written request to: Barclays Capital Research Compliance, 745 Seventh Avenue, 17th Floor, New York, NY 10019 or refer to http://publicresearch.barcap.com or call 1-212-526-1072.

The analysts responsible for preparing this research report have received compensation based upon various factors including the firm's total revenues, a portion of which is generated by investment banking activities.

Research analysts employed outside the US by affiliates of Barclays Capital Inc. are not registered/qualified as research analysts with FINRA. These analysts may not be associated persons of the member firm and therefore may not be subject to NASD Rule 2711 and incorporated NYSE Rule 472 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst's account.

On September 20, 2008, Barclays Capital acquired Lehman Brothers' North American investment banking, capital markets, and private investment management businesses. All ratings and price targets prior to this date relate to coverage under Lehman Brothers Inc.

Barclays Capital produces a variety of research products including, but not limited to, fundamental analysis, equity-linked analysis, quantitative analysis, and trade ideas. Recommendations contained in one type of research product may differ from recommendations contained in other types of research products, whether as a result of differing time horizons, methodologies, or otherwise.

#### Primary Stocks (Ticker, Date, Price)

Mellanox Technologies (MLNX, 05-Jul-2011, USD 29.94), 1-Overweight/2-Neutral

Materially Mentioned Stocks (Ticker, Date, Price)

AMR Corp. (AMR, 05-Jul-2011, USD 5.34), 1-Overweight/1-Positive

Atheros Communications, Inc. (ATHR, 24-May-2011, USD 44.99), RS-Rating Suspended/2-Neutral

Broadcom Corp. (BRCM, 05-Jul-2011, USD 34.27), 1-Overweight/2-Neutral

CEVA, Inc. (CEVA, 05-Jul-2011, USD 31.68), 1-Overweight/2-Neutral

EMC Corp. (EMC, 05-Jul-2011, USD 27.88), 1-Overweight/1-Positive

EZchip Semiconductor (EZCH, 05-Jul-2011, USD 37.31), 1-Overweight/2-Neutral

IBM Corp. (IBM, 05-Jul-2011, USD 175.43), 2-Equal Weight/1-Positive

Marvell Technology Group, Ltd. (MRVL, 05-Jul-2011, USD 15.19), 2-Equal Weight/2-Neutral

QUALCOMM, Inc. (QCOM, 05-Jul-2011, USD 58.14), 1-Overweight/2-Neutral

Skyworks Solutions, Inc. (SWKS, 05-Jul-2011, USD 23.06), 1-Overweight/2-Neutral

Texas Instruments, Inc. (TXN, 05-Jul-2011, USD 32.92), 2-Equal Weight/2-Neutral

Triquint Semiconductor (TQNT, 05-Jul-2011, USD 10.19), 1-Overweight/2-Neutral

#### **Other Material Conflicts**

QCOM: Barclays Capital is serving as financial advisor and rendered a fairness opinion to Qualcomm in the potential sale of its spectrum licenses to AT&T.

#### Guide to the Barclays Capital Fundamental Equity Research Rating System:

Our coverage analysts use a relative rating system in which they rate stocks as 1-Overweight, 2-Equal Weight or 3-Underweight (see definitions below) relative to other companies covered by the analyst or a team of analysts that are deemed to be in the same industry sector (the "sector coverage universe").

In addition to the stock rating, we provide sector views which rate the outlook for the sector coverage universe as 1-Positive, 2-Neutral or 3-Negative (see definitions below). A rating system using terms such as buy, hold and sell is not the equivalent of our rating system. Investors should carefully read the entire research report including the definitions of all ratings and not infer its contents from ratings alone.

#### Stock Rating

1-Overweight - The stock is expected to outperform the unweighted expected total return of the sector coverage universe over a 12-month investment horizon.

**2-Equal Weight** - The stock is expected to perform in line with the unweighted expected total return of the sector coverage universe over a 12-month investment horizon.

**3-Underweight** - The stock is expected to underperform the unweighted expected total return of the sector coverage universe over a 12-month investment horizon.

#### IMPORTANT DISCLOSURES CONTINUED

**RS-Rating Suspended** - The rating and target price have been suspended temporarily due to market events that made coverage impracticable or to comply with applicable regulations and/or firm policies in certain circumstances including when Barclays Capital is acting in an advisory capacity in a merger or strategic transaction involving the company.

#### Sector View

1-Positive - sector coverage universe fundamentals/valuations are improving.

2-Neutral - sector coverage universe fundamentals/valuations are steady, neither improving nor deteriorating.

3-Negative - sector coverage universe fundamentals/valuations are deteriorating.

Below is the list of companies that constitute the "sector coverage universe":

Israel Technology		
CEVA, Inc. (CEVA)	Elbit Systems Ltd. (ESLT.TA)	EZchip Semiconductor (EZCH)
Mellanox Technologies (MLNX)	Nice Systems (NICE)	
U.S. Airlines		
AerCap Holdings (AER)	Air Lease Corp. (AL)	Alaska Air Group (ALK)
Allegiant Travel Co. (ALGT)	AMR Corp. (AMR)	Delta Air Lines (DAL)
JetBlue Airways (JBLU)	Southwest Airlines (LUV)	Spirit Airlines (SAVE)
United Continental Holdings (UAL)	US Airways Group (LCC)	
U.S. IT Hardware		
3D Systems Corp. (DDD)	Apple, Inc. (AAPL)	Dell Inc. (DELL)
EMC Corp. (EMC)	Hewlett-Packard (HPQ)	IBM Corp. (IBM)
Ingram Micro Inc. (IM)	Lexmark International (LXK)	NetApp, Inc. (NTAP)
Seagate Technology (STX)	Tech Data Corp. (TECD)	Western Digital Corp. (WDC)
Xerox Co. (XRX)		
U.S. Semiconductors		
Advanced Micro Devices (AMD)	Altera Corp. (ALTR)	Analog Devices (ADI)
Atheros Communications, Inc. (ATHR)	Atmel Corp. (ATML)	Avago Technologies Ltd. (AVGO)
Broadcom Corp. (BRCM)	Cavium Inc. (CAVM)	Cypress Semiconductor Corp. (CY)
Entropic Communications Inc. (ENTR)	Freescale Semiconductor Holdings (FSL)	Integrated Device Technology, Inc. (IDTI)
Intel Corp. (INTC)	Linear Technology (LLTC)	LSI Corp. (LSI)
MagnaChip Semiconductor (MX)	Marvell Technology Group, Ltd. (MRVL)	Maxim Integrated Products (MXIM)
Microchip Technology (MCHP)	Micron Technology, Inc. (MU)	Netlogic Microsystems (NETL)
NVIDIA Corp. (NVDA)	NXP Semiconductors NV (NXPI)	RF Micro Devices (RFMD)
Silicon Laboratories, Inc. (SLAB)	Skyworks Solutions, Inc. (SWKS)	Smart Modular Technologies (SMOD)
Spansion Inc. (CODE)	Texas Instruments, Inc. (TXN)	Triquint Semiconductor (TQNT)
Volterra Semiconductor Corp. (VLTR)	Xilinx, Inc. (XLNX)	
U.S. Wireless Equipment		
Amdocs Ltd. (DOX)	Ceragon Networks Ltd. (CRNT)	Cogo Group, Inc. (COGO)
Comverse Technology, Inc. (CMVT)	Ericsson (ERIC)	Garmin, Ltd. (GRMN)
InterDigital, Inc. (IDCC)	Motorola Mobility Holdings (MMI)	Motorola Solutions, Inc. (MSI)
Nokia (NOK)	Powerwave Technologies (PWAV)	QUALCOMM, Inc. (QCOM)
Research In Motion (RIMM)	Sierra Wireless (SWIR)	Tekelec (TKLC)

#### **Distribution of Ratings:**

Barclays Capital Inc. Equity Research has 1798 companies under coverage.

43% have been assigned a 1-Overweight rating which, for purposes of mandatory regulatory disclosures, is classified as a Buy rating; 57% of companies with this rating are investment banking clients of the Firm.

42% have been assigned a 2-Equal Weight rating which, for purposes of mandatory regulatory disclosures, is classified as a Hold rating; 53% of companies with this rating are investment banking clients of the Firm.

#### IMPORTANT DISCLOSURES CONTINUED

12% have been assigned a 3-Underweight rating which, for purposes of mandatory regulatory disclosures, is classified as a Sell rating; 37% of companies with this rating are investment banking clients of the Firm.

#### Guide to the Barclays Capital Price Target:

Each analyst has a single price target on the stocks that they cover. The price target represents that analyst's expectation of where the stock will trade in the next 12 months. Upside/downside scenarios, where provided, represent potential upside/potential downside to each analyst's price target over the same 12-month period.

Barclays Capital offices involved in the production of equity research:

London Barclays Capital, the investment banking division of Barclays Bank PLC (Barclays Capital, London) New York Barclays Capital Inc. (BCI, New York) Tokyo Barclays Capital Japan Limited (BCJL, Tokyo) São Paulo Banco Barclays S.A. (BBSA, São Paulo) Hong Kong Barclays Bank PLC, Hong Kong branch (Barclays Bank, Hong Kong) Toronto Barclays Capital Canada Inc. (BCC, Toronto) Johannesburg Absa Capital, a division of Absa Bank Limited (Absa Capital, Johannesburg) Mexico City Barclays Bank Mexico, S.A. (BBMX, Mexico City)

## IMPORTANT DISCLOSURES CONTINUED

Mellanox Technologies (MLNX) USD 29.94 (05-Jul-2011)	Stock Rating 1-OVERWEIGHT	Sector View 2-NEUTRAL
Rating and Price Target Chart - USD (as of 05-Jul-2011)	Currency=USD	
35	DateClosing PriceRating28-Apr-201129.1525.4201125.621.0	<b>Price Target</b> 33.00
30 -	05-Apr-2011 25.62 1-Overweight 27-Jan-2011 28.32 06-Dec-2010 25.27	32.00 25.00 23.00
	02-Sep-2010 16.93 2-Equal Weight	
20		
15 - Mun Mun Mun Mun		
5		
————————————————————————————————————		

Barclays Bank PLC and/or an affiliate is a market-maker and/or liquidity provider in securities issued by Mellanox Technologies or one of its affiliates.

Barclays Bank PLC and/or an affiliate trades regularly in the securities of Mellanox Technologies.

Valuation Methodology: Our \$33 price target is based on a DCF valuation that uses a WACC of 9.6%, incremental ROCE of 15% and a terminal growth rate of 4%. Our PT also equates to 20x 2012e EPS.

**Risks which May Impede the Achievement of the Price Target:** Given MLNX's exposure to the storage and cloud computing segments, the positive sentiment towards these end markets could cause the stock to appreciate more than we expect. Continued transition to LOM designs and mix of business that is reducing margins could provide downside pressure on the stock. The acquisition and integration of Voltaire is another risk to consider.

This publication has been prepared by Barclays Capital, the investment banking division of Barclays Bank PLC, and/or one or more of its affiliates as provided below. It is provided to our clients for information purposes only, and Barclays Capital makes no express or implied warranties, and expressly disclaims all warranties of merchantability or fitness for a particular purpose or use with respect to any data included in this publication. Barclays Capital will not treat unauthorized recipients of this report as its clients. Prices shown are indicative and Barclays Capital is not offering to buy or sell or soliciting offers to buy or sell any financial instrument.

Without limiting any of the foregoing and to the extent permitted by law, in no event shall Barclays Capital, nor any affiliate, nor any of their respective officers, directors, partners, or employees have any liability for (a) any special, punitive, indirect, or consequential damages; or (b) any lost profits, lost revenue, loss of anticipated savings or loss of opportunity or other financial loss, even if notified of the possibility of such damages, arising from any use of this publication or its contents.

Other than disclosures relating to Barclays Capital, the information contained in this publication has been obtained from sources that Barclays Capital believes to be reliable, but Barclays Capital does not represent or warrant that it is accurate or complete. The views in this publication are those of Barclays Capital and are subject to change, and Barclays Capital has no obligation to update its opinions or the information in this publication.

The analyst recommendations in this publication reflect solely and exclusively those of the author(s), and such opinions were prepared independently of any other interests, including those of Barclays Capital and/or its affiliates. This publication does not constitute personal investment advice or take into account the individual financial circumstances or objectives of the clients who receive it. The securities discussed herein may not be suitable for all investors. Barclays Capital recommends that investors independently evaluate each issuer, security or instrument discussed herein and consult any independent advisors they believe necessary. The value of and income from any investment may fluctuate from day to day as a result of changes in relevant economic markets (including changes in market liquidity). The information herein is not intended to predict actual results, which may differ substantially from those reflected. Past performance is not necessarily indicative of future results.

This communication is being made available in the UK and Europe primarily to persons who are investment professionals as that term is defined in Article 19 of the Financial Services and Markets Act 2000 (Financial Promotion Order) 2005. It is directed at, and therefore should only be relied upon by, persons who have professional experience in matters relating to investments. The investments to which it relates are available only to such persons and will be entered into only with such persons. Barclays Capital is authorized and regulated by the Financial Services Authority ('FSA') and member of the London Stock Exchange.

Barclays Capital Inc., U.S. registered broker/dealer and member of FINRA (www.finra.org), is distributing this material in the United States and, in connection therewith accepts responsibility for its contents. Any U.S. person wishing to effect a transaction in any security discussed herein should do so only by contacting a representative of Barclays Capital Inc. in the U.S. at 745 Seventh Avenue, New York, New York 10019.

Non-U.S. persons should contact and execute transactions through a Barclays Bank PLC branch or affiliate in their home jurisdiction unless local regulations permit otherwise.

This material is distributed in Canada by Barclays Capital Canada Inc., a registered investment dealer and member of IIROC (www.iiroc.ca).

Subject to the conditions of this publication as set out above, Absa Capital, the Investment Banking Division of Absa Bank Limited, an authorised financial services provider (Registration No.: 1986/004794/06), is distributing this material in South Africa. Absa Bank Limited is regulated by the South African Reserve Bank. This publication is not, nor is it intended to be, advice as defined and/or contemplated in the (South African) Financial Advisory and Intermediary Services Act, 37 of 2002, or any other financial, investment, trading, tax, legal, accounting, retirement, actuarial or other professional advice or service whatsoever. Any South African person or entity wishing to effect a transaction in any security discussed herein should do so only by contacting a representative of Absa Capital in South Africa, 15 Alice Lane, Sandton, Johannesburg, Gauteng 2196. Absa Capital is an affiliate of Barclays Capital.

In Japan, foreign exchange research reports are prepared and distributed by Barclays Bank PLC Tokyo Branch. Other research reports are distributed to institutional investors in Japan by Barclays Capital Japan Limited. Barclays Capital Japan Limited is a joint-stock company incorporated in Japan with registered office of 6-10-1 Roppongi, Minato-ku, Tokyo 106-6131, Japan. It is a subsidiary of Barclays Bank PLC and a registered financial instruments firm regulated by the Financial Services Agency of Japan. Registered Number: Kanto Zaimukyokucho (kinsho) No. 143.

Barclays Bank PLC, Hong Kong Branch is distributing this material in Hong Kong as an authorised institution regulated by the Hong Kong Monetary Authority. Registered Office: 41/F, Cheung Kong Center, 2 Queen's Road Central, Hong Kong.

Barclays Bank PLC Frankfurt Branch distributes this material in Germany under the supervision of Bundesanstalt für Finanzdienstleistungsaufsicht (BaFin).

This material is distributed in Malaysia by Barclays Capital Markets Malaysia Sdn Bhd.

This material is distributed in Brazil by Banco Barclays S.A.

This material is distributed in Mexico by Barclays Bank Mexico, S.A.

Barclays Bank PLC in the Dubai International Financial Centre (Registered No. 0060) is regulated by the Dubai Financial Services Authority (DFSA). Barclays Bank PLC-DIFC Branch, may only undertake the financial services activities that fall within the scope of its existing DFSA licence.

Barclays Bank PLC in the UAE is regulated by the Central Bank of the UAE and is licensed to conduct business activities as a branch of a commercial bank incorporated outside the UAE in Dubai (Licence No.: 13/1844/2008, Registered Office: Building No. 6, Burj Dubai Business Hub, Sheikh Zayed Road, Dubai City) and Abu Dhabi (Licence No.: 13/952/2008, Registered Office: Al Jazira Towers, Hamdan Street, PO Box 2734, Abu Dhabi).

Barclays Bank PLC in the Qatar Financial Centre (Registered No. 00018) is authorised by the Qatar Financial Centre Regulatory Authority (QFCRA). Barclays Bank PLC-QFC Branch may only undertake the regulated activities that fall within the scope of its existing QFCRA licence. Principal place of business in Qatar: Qatar Financial Centre, Office 1002, 10th Floor, QFC Tower, Diplomatic Area, West Bay, PO Box 15891, Doha, Qatar.

This material is distributed in Dubai, the UAE and Qatar by Barclays Bank PLC. Related financial products or services are only available to Professional Clients as defined by the DFSA, and Business Customers as defined by the QFCRA.

This material is distributed in Saudi Arabia by Barclays Saudi Arabia ('BSA'). It is not the intention of the Publication to be used or deemed as recommendation, option or advice for any action (s) that may take place in future. Barclays Saudi Arabia is a Closed Joint Stock Company, (CMA License No. 09141-37). Registered office Al Faisaliah Tower | Level 18 | Riyadh 11311 | Kingdom of Saudi Arabia. Authorised and regulated by the Capital Market Authority, Commercial Registration Number: 1010283024.

This material is distributed in Russia by OOO Barclays Capital, affiliated company of Barclays Bank PLC, registered and regulated in Russia by the FSFM. Broker License #177-11850-100000; Dealer License #177-11855-010000. Registered address in Russia: 125047 Moscow, 1st Tverskaya-Yamskaya str. 21.

This material is distributed in India by Barclays Bank PLC, India Branch.

This material is distributed in Singapore by the Singapore branch of Barclays Bank PLC, a bank licensed in Singapore by the Monetary Authority of Singapore. For matters in connection with this report, recipients in Singapore may contact the Singapore branch of Barclays Bank PLC, whose registered address is One Raffles Quay

Level 28, South Tower, Singapore 048583.

Barclays Bank PLC, Australia Branch (ARBN 062 449 585, AFSL 246617) is distributing this material in Australia. It is directed at 'wholesale clients' as defined by Australian Corporations Act 2001.

IRS Circular 230 Prepared Materials Disclaimer: Barclays Capital and its affiliates do not provide tax advice and nothing contained herein should be construed to be tax advice. Please be advised that any discussion of U.S. tax matters contained herein (including any attachments) (i) is not intended or written to be used, and cannot be used, by you for the purpose of avoiding U.S. tax-related penalties; and (ii) was written to support the promotion or marketing of the transactions or other matters addressed herein. Accordingly, you should seek advice based on your particular circumstances from an independent tax advisor.

Barclays Capital is not responsible for, and makes no warranties whatsoever as to, the content of any third-party web site accessed via a hyperlink in this publication and such information is not incorporated by reference.

© Copyright Barclays Bank PLC (2011). All rights reserved. No part of this publication may be reproduced in any manner without the prior written permission of Barclays Capital or any of its affiliates. Barclays Bank PLC is registered in England No. 1026167. Registered office 1 Churchill Place, London, E14 5HP. Additional information regarding this publication will be furnished upon request.

US08-000001