

40 and 100 Gigabit Ethernet (GbE): Market Research Report

<https://marketpublishers.com/r/4FF7118DC71EN.html>

Date: August 2011

Pages: 680

Price: US\$ 4,200.00 (Single User License)

ID: 4FF7118DC71EN

Abstracts

This report analyzes the worldwide markets for 40 and 100 Gigabit Ethernet (GbE) in US\$ Million.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, and Rest of World.

Annual estimates and forecasts are provided for the period 2010 through 2017.

The report profiles 73 companies including many key and niche players such as Avago Technologies Ltd., Brocade Communications Systems, Inc., Cisco Systems Inc., Ciena Corporation, Extreme Networks, Inc., EZchip Technologies Ltd., Finisar Corporation, Force10 Networks Inc., IXIA, IBM System Networking, JDS Uniphase Corporation, Juniper Networks, Inc., NetLogic Microsystems, Inc., NeoPhotonics Corporation, Oclaro Inc., Opnext Inc., Sumitomo Electric Industries Ltd., and Santur Corporation.

Market data and analytics are derived from primary and secondary research.

Company profiles are mostly extracted from URL research and reported select online sources.

Contents

1.INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations

Disclaimers

Data Interpretation & Reporting Level

Quantitative Techniques & Analytics

Product Definitions and Scope of Study

2.INDUSTRY OVERVIEW

The Need for Speed Accelerates: A Curtain Raiser

IP Convergence & Streaming Video Pushes Up Traffic

40 AND 100 GBE: A REVIEW OF CURRENT MARKET SCENARIO

Market Trends & Drivers

10 GIGABIT ETHERNET ADOPTION PAVES WAY FOR 40 GIGABIT ETHERNET

Data Centers & Enterprise Networks Primed to be Early Adopters

Increased Interest in Server Virtualization Drives Opportunities

Opportunity Indicators

Table 1. World Market for Server Virtualization Software (2010 & 2012P): Breakdown of Sales (in US\$ Million) by Host Operating System – Windows, Linux & Other Open Source (includes corresponding Graph/Chart)

Table 2. World Market for Virtualization Software (2010 & 2012P): Breakdown of Sales (in US\$ Million) by Product Segment – Server Virtualization Software, Presentation Virtualization Software, Desktop Virtualization Software, Application Virtualization Software and PC Disk Virtualization Software (includes corresponding Graph/Chart)

Implications for 40 and 100-Gigabit Ethernet (GbE)

Clouding Computing Heightens Need for Multi-Gigabit Bandwidth Connectivity

Opportunity Indicators

Table 3. World Market for Cloud Computing Services (2010 & 2012P): Breakdown of Revenues (in US\$ Million) by Service Type – Application Services, Business Process Services and Infrastructure Services (Application Infrastructure and System

Infrastructure) (includes corresponding Graph/Chart)

Implications for 40 and 100-Gigabit Ethernet (GbE)

Commercial Network Operators: A Lucrative End-User Cluster

Opportunity Indicators

Table 4. World Market for IPTV (2010 & 2015P): Breakdown of Number of Subscribers in Million by Geographic Region/Country (includes corresponding Graph/Chart)

Migration of Storage Systems to Higher Speed Ethernet Spells Opportunities

Dedicated SANs Propel Need for High Speed Access/Data Transmission

Rising Interest in Network Attached Storage (NAS) Also Tilts Growth Upwards

Opportunity Indicators

Table 5. World Market for Network-Attached Storage (NAS) Devices (2010 & 2015P): Breakdown of Sales (in US\$ Million) by Geographic Region/Country – North America, Europe, Asia-Pacific, and Rest of World (includes corresponding Graph/Chart)

Table 6. World Market for Network-Attached Storage (NAS) Devices (2011): Percentage Share Breakdown of Sales by Segment (includes corresponding Graph/Chart)

Outlook

Market Share Findings

Table 7. World Ethernet Switch Market (2010): Percentage Share Breakdown of Revenues by End-User Segment - Enterprise, Service Provider and Consumer (includes corresponding Graph/Chart)

Table 8. World Ethernet Switch Market (2010): Percentage Breakdown of Revenues by Vendor (includes corresponding Graph/Chart)

Table 9. World Carrier Ethernet Switch Market (2010): Percentage Breakdown of Revenues by Vendor (includes corresponding Graph/Chart)

3.PRODUCT OVERVIEW

Ethernet: An Introduction

Market Drivers for Ethernet

What is Gigabit Ethernet (GbE)

40 GIGABIT AND 100 GIGABIT ETHERNET (GBE): A DEFINITION

10 GIGABIT ETHERNET (10GBE)

40 GIGABIT ETHERNET (40GBE)

100 GIGABIT ETHERNET (100GBE)T: THE NEXT FRONTIER

IEEE 802.3ba Standard for 40 Gigabit and 100 Gigabit Ethernet

Applications

4.PRODUCT INTRODUCTIONS/LAUNCHES

NetLogic Microsystems Unveils Dual-mode 40G and quad-channel 10G backplane PHY

Amphenol Launches New Ethernet Qualified 40-Gigabit QSFP+ Cable Range

NetLogic Microsystems Introduces NLX321103A Networking Solution

Extreme Networks Unveils Novel 40GbE Products

NetLogic Microsystems Unveils New Range of Communications and Networking PHY Products

Optimum Lightpath Introduces 40 Gigabit Optical Transport Service

Voltaire Launches Voltaire Grid Director 4036E

BLADE Network Technologies Introduces RackSwitch G8264TM

Renesas Electronics Launches 1.1 Gigabit Memory Devices

Avago Technologies Rolls Out AFBR-79E4Z QSFP+ Transceiver Modules

Juniper Networks Unveils 100G Networking Technology

Applied Micro Circuits Launches 100G OTN Devices

Broadcom Rolls Out BCM88600 100 Gigabit/second Switch and Drive System

Force10 Networks Launches 40 GbE Core-to-Edge Solution

NetLogic Microsystems Introduces Low Power 10/40/100 Gigabit Ethernet PHY

Vitesse Semiconductor Rolls Out Complete Chipset Solution

Net Optics Introduces 40G Fiber Tap

Fujitsu Introduces Third-Generation 40 Gigabit/second Coherent Interfaces

Denali Software Introduces 40/100 Gigabit PureSpec- Ethernet VIP Product

Extreme Networks Launches VIM3-40G4X for Stackable Switches

Inphi Rolls Out 4336TA TIA for VSR Transponder Modules

Juniper Networks Launches T1600 100 GE Interface Card

Edgecore Networks Launches New Power-Over-Ethernet Switches

Mellanox Technologies Introduces Network Adapter Card for 40 Gigabit Ethernet

JDS Uniphase Introduces 100GE Test Solutions

Altera Launches 40-nm Stratix IV FPGA Range
Luxtera Introduces Blazar Active Optical Cable
Sarance Technologies Unveils High Speed Ethernet Core
Sumitomo Electric Industries Expands Optical Transceivers Portfolio
Spirent Communications Launches TestCenter HyperMetrics™ Ethernet Test Module
Alcatel-Lucent Introduces 100 Gigabit Service Routing Interface and Ethernet Line Cards
Finisar Unveils Quadwire Active Optical Link
Huawei Technologies Introduces 100 Gigabit Ethernet WDM Prototypes
Alcatel-Lucent Launches Coherent Detection Solution for Optical Networks

5.RECENT INDUSTRY ACTIVITY

Juniper Networks Takes Over Trapeze Networks
Applied Micro Circuits Purchases TPACK
Hewlett-Packard Takes Over 3Com
Ciena Purchases Carrier Ethernet and Optical Networking Assets from Nortel Networks
Juniper Networks® and Internet2 Enter into Partnership
NetLogic Microsystems Enters into Collaboration with Advantech
Picometrix® Bags Contract to Supply CR-100A Optical Receivers
Marvell Commences Mass Manufacturing of Prestera® CX Line of Packet Processors
West Africa Cable System Extends Contract with Alcatel-Lucent
SoftBank Telecom Extends Collaboration with Alcatel-Lucent
Alcatel-Lucent and T-Systems Connect Data Centers Using 100 G Network
ORION Introduces 100G Network in Ontario
360NETWORKS TO IMPLEMENT ALCATEL-LUCENT'S CBT SOLUTION
Alcatel-Lucent Successfully Demonstrates 100G IP Technology in China
Broadcom Buys Dune Networks
NetLogic Microsystems Takes Over RMI
Mellanox Technologies and Bell Microproducts Sign Distribution Agreement
NetLogic Microsystems Collaborates with TSMC to Develop 40nm Process Technology
Finisar, Sumitomo Electric and Opnext Sign Multisource Agreement
JDS Uniphase Takes Over Network Tools Business of Finisar
Turin Networks Merges with Force10 Networks
Agilent Technologies Collaborates with IIT Mumbai

6.FOCUS ON SELECT PLAYERS

Avago Technologies Ltd. (USA)

Brocade Communications Systems, Inc. (USA)
Cisco Systems Inc (USA)
Ciena Corporation (USA)
Extreme Networks, Inc. (USA)
EZchip Technologies Ltd. (Israel)
Finisar Corporation (USA)
Force10 Networks Inc (USA)
IXIA (USA)
IBM System Networking (USA)
JDS Uniphase Corporation (USA)
Juniper Networks, Inc (USA)
NetLogic Microsystems, Inc. (USA)
NeoPhotonics Corporation (USA)
Oclaro Inc (USA)
Opnext Inc (USA)
Sumitomo Electric Industries Ltd (Japan)
Santur Corporation (USA)

7.GLOBAL MARKET PERSPECTIVE

Table 10. World Recent Past, Current & Future Analysis for 40 and 100 Gigabit Ethernet by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2017 (includes corresponding Graph/Chart)

Table 11. World 8-Year Perspective for 40 and 100 Gigabit Ethernet by Geographic Region – Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia–Pacific (excluding Japan), and Rest of World Markets for Years 2010, 2013 & 2017 (includes corresponding Graph/Chart)

8.UNITED STATES

A. MARKET ANALYSIS

Current & Future Analysis

B. MARKET ANALYTICS

Table 12. US Recent Past, Current & Future Analysis for 40 and 100 Gigabit Ethernet - Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2017 (includes corresponding Graph/Chart)

9.CANADA

A. MARKET ANALYSIS

Current & Future Analysis

B. MARKET ANALYTICS

Table 13. Canadian Recent Past, Current & Future Analysis for 40 and 100 Gigabit Ethernet – Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2017 (includes corresponding Graph/Chart)

10.JAPAN

A. MARKET ANALYSIS

Current & Future Analysis

B. MARKET ANALYTICS

Table 14. Japanese Recent Past, Current & Future Analysis for 40 and 100 Gigabit Ethernet - Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2017 (includes corresponding Graph/Chart)

11.EUROPE

A. MARKET ANALYSIS

Current & Future Analysis

B. MARKET ANALYTICS

Table 15. European Recent Past, Current & Future Analysis for 40 and 100 Gigabit Ethernet - Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2017 (includes corresponding Graph/Chart)

12.ASIA-PACIFIC

A. MARKET ANALYSIS

Current & Future Analysis

B. MARKET ANALYTICS

Table 16. Asia-Pacific Recent Past, Current & Future Analysis for 40 and 100 Gigabit Ethernet - Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2017 (includes corresponding Graph/Chart)

13.REST OF WORLD

A. MARKET ANALYSIS

Current & Future Analysis

B. MARKET ANALYTICS

Table 17. Rest of World Recent Past, Current & Future Analysis for 40 and 100 Gigabit Ethernet - Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2017 (includes corresponding Graph/Chart)

COMPETITIVE LANDSCAPE

Total Companies Profiled: 73 (including Divisions/Subsidiaries - 76)

Region/CountryPlayers

The United States

Canada

Japan

Europe

France
Germany
The United Kingdom
Rest of Europe
Asia-Pacific (Excluding Japan)
Middle-East

I would like to order

Product name: 40 and 100 Gigabit Ethernet (GbE): Market Research Report

Product link: <https://marketpublishers.com/r/4FF7118DC71EN.html>

Price: US\$ 4,200.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/4FF7118DC71EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970