

# Global Refractive Modulators Market Research Report 2021

<https://marketpublishers.com/r/GE2168CE06CEN.html>

Date: July 2016

Pages: 128

Price: US\$ 2,900.00 (Single User License)

ID: GE2168CE06CEN

## Abstracts

This report studies Refractive Modulators in Global market, especially in North America, Europe, China, Japan, Korea and Taiwan, focuses on top manufacturers in global market, with sales, price, revenue and market share for each manufacturer, covering

CISCO SYSTEMS, INC.

INTEL CORPORATION

INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM)

MELLANOX TECHNOLOGIES, LTD.

HAMAMATSU PHOTONICS K.K.

FINISAR CORPORATION

INFINERA CORPORATION

STMICROELECTRONICS N.V.

LUXTERA INC.

AURRION INC.

DAS PHOTONICS

Market Segment by Regions, this report splits Global into several key Region, with production, consumption, revenue, market share and growth rate of Refractive Modulators in these regions, from 2011 to 2021 (forecast), like

North America

China

Europe

Japan

Taiwan

Korea

Split by product type, with production, revenue, price, market share and growth rate of each type, can be divided into

TRANCEIVERS

ACTIVE OPTICAL CABLES

OPTICAL MULTIPLEXERS

VARIABLE OPTICAL ATTENUATORS

OPTICAL ENGINES

RF CIRCUITS

Split by application, this report focuses on consumption, market share and growth rate of Refractive Modulators in each application, can be divided into

CONSUMER ELECTRONICS

TELECOMMUNICATION

DATA COMMUNICATION

MEDICAL AND LIFE SCIENCE

DEFENSE

COMMERCIAL

## Contents

### Global Refractive Modulators Market Research Report 2021

#### **1 REFRACTIVE MODULATORS OVERVIEW**

- 1.1 Product Overview and Scope of Refractive Modulators
- 1.2 Refractive Modulators Segment by Types
  - 1.2.1 Global Production Market Share of Refractive Modulators by Type in 2015
  - 1.2.2 TRANCEIVERS Overview and Price
    - 1.2.2.1 TRANCEIVERS Overview
    - 1.2.2.2 TRANCEIVERS Price List in 2015 and 2016
  - 1.2.3 ACTIVE OPTICAL CABLES
    - 1.2.3.1 ACTIVE OPTICAL CABLES Overview
    - 1.2.3.2 ACTIVE OPTICAL CABLES Price List in 2015 and 2016
  - 1.2.4 OPTICAL MULTIPLEXERS
    - 1.2.4.1 OPTICAL MULTIPLEXERS Overview
    - 1.2.4.2 OPTICAL MULTIPLEXERS Price List in 2015 and 2016
  - 1.2.5 VARIABLE OPTICAL ATTENUATORS
    - 1.2.5.1 VARIABLE OPTICAL ATTENUATORS Overview
    - 1.2.5.2 VARIABLE OPTICAL ATTENUATORS Price List in 2015 and 2016
  - 1.2.6 OPTICAL ENGINES
    - 1.2.6.1 OPTICAL ENGINES Overview
    - 1.2.6.2 OPTICAL ENGINES Price List in 2015 and 2016
  - 1.2.7 RF CIRCUITS
    - 1.2.7.1 RF CIRCUITS Overview
    - 1.2.7.2 RF CIRCUITS Price List in 2015 and 2016
- 1.3 Refractive Modulators Segment by Application
  - 1.3.1 Refractive Modulators Consumption Market Share by Application in 2015
  - 1.3.2 CONSUMER ELECTRONICS and Major Clients (Buyers) List
  - 1.3.3 TELECOMMUNICATION and Major Clients (Buyers) List
  - 1.3.4 DATA COMMUNICATION and Major Clients (Buyers) List
  - 1.3.5 MEDICAL AND LIFE SCIENCE and Major Clients (Buyers) List
  - 1.3.6 DEFENSE and Major Clients (Buyers) List
  - 1.3.7 COMMERCIAL and Major Clients (Buyers) List
- 1.4 Refractive Modulators Market by Region
  - 1.4.1 North America Status and Prospect (2011-2021)
  - 1.4.2 China Status and Prospect (2011-2021)
  - 1.4.3 Europe Status and Prospect (2011-2021)

- 1.4.4 Japan Status and Prospect (2011-2021)
- 1.4.5 Taiwan Status and Prospect (2011-2021)
- 1.4.6 Korea Status and Prospect (2011-2021)
- 1.5 Global Market Size (Value and Volume) of Refractive Modulators (2011-2021)
  - 1.5.1 Global Refractive Modulators Sales and Revenue (2011-2021)
  - 1.5.2 Global Refractive Modulators Sales and Growth Rate (2011-2021)
  - 1.5.3 Global Refractive Modulators Revenue and Growth Rate (2011-2021)

## **2 GLOBAL REFRACTIVE MODULATORS MARKET COMPETITION BY MANUFACTURERS**

- 2.1 Global Refractive Modulators Production and Share by Manufacturers (2015 and 2016)
- 2.2 Global Refractive Modulators Revenue and Share by Manufacturers (2015 and 2016)
- 2.3 Global Refractive Modulators Average Price by Manufacturers (2015 and 2016)
- 2.4 Manufacturers Refractive Modulators Manufacturing Base Distribution and Product Type
- 2.5 Competitive Situation and Trends
  - 2.5.1 Expansions
  - 2.5.2 New Product Launches
  - 2.5.3 Acquisitions
  - 2.5.4 Other Developments

## **3 GLOBAL REFRACTIVE MODULATORS ANALYSIS BY REGION**

- 3.1 Global Refractive Modulators Production, Revenue and Market Share by Region (2011-2021)
  - 3.1.1 Global Refractive Modulators Production Market Share by Region (2011-2021)
  - 3.1.2 Global Refractive Modulators Revenue Market Share by Region (2011-2021)
- 3.2 Global Refractive Modulators Consumption by Region (2011-2021)
- 3.3 North America
  - 3.3.1 North America Refractive Modulators Production, Revenue and Price (2011-2021)
  - 3.3.2 North America Refractive Modulators Production, Revenue and Growth Rate (2011-2021)
- 3.4 Europe
  - 3.4.1 Europe Refractive Modulators Production, Revenue and Price (2011-2021)
  - 3.4.2 Europe Refractive Modulators Production, Revenue and Growth Rate

(2011-2021)

### 3.5 China

3.5.1 China Refractive Modulators Production, Revenue and Price (2011-2021)

3.5.2 China Refractive Modulators Production, Revenue and Growth Rate (2011-2021)

### 3.6 Japan

3.6.1 Japan Refractive Modulators Production, Revenue and Price (2011-2021)

3.6.2 Japan Refractive Modulators Production, Revenue and Growth Rate (2011-2021)

### 3.7 Taiwan

3.7.1 Taiwan Refractive Modulators Production, Revenue and Price (2011-2021)

3.7.2 Taiwan Refractive Modulators Production, Revenue and Growth Rate

(2011-2021)

### 3.8 Korea

3.8.1 Korea Refractive Modulators Production, Revenue and Price (2011-2021)

3.8.2 Korea Refractive Modulators Production, Revenue and Growth Rate (2011-2021)

## **4 GLOBAL REFRACTIVE MODULATORS ANALYSIS BY TYPE**

4.1 Global Refractive Modulators Production, Revenue, Market Share and Growth Rate by Type (2011-2021)

4.1.1 Global Refractive Modulators Production and Market Share by Type (2011-2021)

4.1.2 Global Refractive Modulators Revenue, Market Share and Growth Rate by Type (2011-2021)

4.2 TRANCEIVERS Production, Revenue, Price and Growth (2011-2021)

4.3 ACTIVE OPTICAL CABLES Production, Revenue, Price and Growth (2011-2021)

4.4 OPTICAL MULTIPLEXERS Production, Revenue, Price and Growth (2011-2021)

4.5 VARIABLE OPTICAL ATTENUATORS Production, Revenue, Price and Growth (2011-2021)

4.6 OPTICAL ENGINES Production, Revenue, Price and Growth (2011-2021)

4.7 RF CIRCUITS Production, Revenue, Price and Growth (2011-2021)

## **5 GLOBAL REFRACTIVE MODULATORS MARKET ANALYSIS BY APPLICATION**

5.1 Global Refractive Modulators Consumption and Market Share by Application (2011-2021)

5.2 Major Regions Refractive Modulators Consumption by Application in 2015 and 2016

5.2.1 North America Refractive Modulators Consumption by Application

5.2.2 Europe Refractive Modulators Consumption by Application

5.2.3 China Refractive Modulators Consumption by Application

5.2.4 Japan Refractive Modulators Consumption by Application

- 5.2.5 Taiwan Refractive Modulators Consumption by Application
- 5.2.6 Korea Refractive Modulators Consumption by Application
- 5.3 Global Refractive Modulators Consumption Growth Rate by Application (2011-2021)
- 5.4 Market Drivers and Opportunities
  - 5.4.1 Potential Applications
  - 5.4.2 Emerging Markets/Countries

## **6 GLOBAL REFRACTIVE MODULATORS MANUFACTURERS ANALYSIS**

### **6.1 CISCO SYSTEMS, INC.**

- 6.1.1 Company Basic Information, Manufacturing Base and Competitors
- 6.1.2 Refractive Modulators Product Type and Technology
  - 6.1.2.1 TRANCEIVERS
  - 6.1.2.2 ACTIVE OPTICAL CABLES
  - 6.1.2.3 OPTICAL MULTIPLEXERS
- 6.1.3 Electronics Production, Revenue, Price of Refractive Modulators (2015 and 2016)

### **6.2 INTEL CORPORATION**

- 6.2.1 Company Basic Information, Manufacturing Base and Competitors
- 6.2.2 Refractive Modulators Product Type and Technology
  - 6.2.2.1 TRANCEIVERS
  - 6.2.2.2 ACTIVE OPTICAL CABLES
  - 6.2.2.3 OPTICAL MULTIPLEXERS
- 6.2.3 INTEL CORPORATION Production, Revenue, Price of Refractive Modulators (2015 and 2016)

### **6.3 INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM)**

- 6.3.1 Company Basic Information, Manufacturing Base and Competitors
- 6.3.2 Refractive Modulators Product Type and Technology
  - 6.3.2.1 TRANCEIVERS
  - 6.3.2.2 ACTIVE OPTICAL CABLES
  - 6.3.2.3 OPTICAL MULTIPLEXERS
- 6.3.3 INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM) Production, Revenue, Price of Refractive Modulators (2015 and 2016)

### **6.4 MELLANOX TECHNOLOGIES, LTD.**

- 6.4.1 Company Basic Information, Manufacturing Base and Competitors
- 6.4.2 Refractive Modulators Product Type and Technology
  - 6.4.2.1 TRANCEIVERS
  - 6.4.2.2 ACTIVE OPTICAL CABLES
- 6.4.3 MELLANOX TECHNOLOGIES, LTD. Production, Revenue, Price of Refractive

Modulators (2015 and 2016)

6.5 HAMAMATSU PHOTONICS K.K.

6.5.1 Company Basic Information, Manufacturing Base and Competitors

6.5.2 Refractive Modulators Product Type and Technology

6.5.2.1 TRANCEIVERS

6.5.2.2 ACTIVE OPTICAL CABLES

6.5.3 HAMAMATSU PHOTONICS K.K. Production, Revenue, Price of Refractive Modulators (2015 and 2016)

6.6 FINISAR CORPORATION

6.6.1 Company Basic Information, Manufacturing Base and Competitors

6.6.2 Refractive Modulators Product Type and Technology

6.6.2.1 TRANCEIVERS

6.6.2.2 ACTIVE OPTICAL CABLES

6.6.3 FINISAR CORPORATION Production, Revenue, Price of Refractive Modulators (2015 and 2016)

6.7 INFINERA CORPORATION

6.7.1 Company Basic Information, Manufacturing Base and Competitors

6.7.2 Refractive Modulators Product Type and Technology

6.7.2.1 TRANCEIVERS

6.7.2.2 ACTIVE OPTICAL CABLES

6.7.3 INFINERA CORPORATION Production, Revenue, Price of Refractive Modulators (2015 and 2016)

6.8 STMICROELECTRONICS N.V.

6.8.1 Company Basic Information, Manufacturing Base and Competitors

6.8.2 Refractive Modulators Product Type and Technology

6.8.2.1 TRANCEIVERS

6.8.2.2 ACTIVE OPTICAL CABLES

6.8.3 STMICROELECTRONICS N.V. Production, Revenue, Price of Refractive Modulators (2015 and 2016)

6.9 LUXTERA INC.

6.9.1 Company Basic Information, Manufacturing Base and Competitors

6.9.2 Refractive Modulators Product Type and Technology

6.9.2.1 TRANCEIVERS

6.9.2.2 ACTIVE OPTICAL CABLES

6.9.3 LUXTERA INC. Production, Revenue, Price of Refractive Modulators (2015 and 2016)

6.10 AURRION INC.

6.10.1 Company Basic Information, Manufacturing Base and Competitors

6.10.2 Refractive Modulators Product Type and Technology



6.10.2.1 TRANCEIVERS

6.10.2.2 ACTIVE OPTICAL CABLES

6.10.3 AURRION INC. Production, Revenue, Price of Refractive Modulators (2015 and 2016)

6.11 DAS PHOTONICS

## **7 REFRACTIVE MODULATORS TECHNOLOGY AND DEVELOPMENT TREND**

7.1 Refractive Modulators Technology Analysis

7.2 Refractive Modulators Technology Development Trend

## **8 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Refractive Modulators

Figure Global Production Market Share of Refractive Modulators by Type in 2015

Table Refractive Modulators Product Types of by Manufacturers

Figure Product Picture of TRANCEIVERS

Table TRANCEIVERS Price List in 2015 and 2016

Figure Product Picture of ACTIVE OPTICAL CABLES

Table ACTIVE OPTICAL CABLES Price List in 2015 and 2016

Figure Product Picture of OPTICAL MULTIPLEXERS

Table OPTICAL MULTIPLEXERS Price List in 2015 and 2016

Figure Product Picture of VARIABLE OPTICAL ATTENUATORS

Table VARIABLE OPTICAL ATTENUATORS Price List in 2015 and 2016

Figure Product Picture of OPTICAL ENGINES

Table OPTICAL ENGINES Price List in 2015 and 2016

Figure Product Picture of RF CIRCUITS

Table RF CIRCUITS Price List in 2015 and 2016

Table Refractive Modulators Consumption Market Share by Applications in 2015 and 2016

Table Refractive Modulators Major Clients (Buyers) List in CONSUMER ELECTRONICS

Table Refractive Modulators Major Clients (Buyers) List in TELECOMMUNICATION

Table Refractive Modulators Major Clients (Buyers) List in DATA COMMUNICATION

Table Refractive Modulators Major Clients (Buyers) List in MEDICAL AND LIFE SCIENCE

Table Refractive Modulators Major Clients (Buyers) List in DEFENSE

Table Refractive Modulators Major Clients (Buyers) List in COMMERCIAL

Figure North America Refractive Modulators Production and Growth Rate (2011-2021)

Figure North America Refractive Modulators Consumption and Growth Rate (2011-2021)

Figure China Refractive Modulators Production and Growth Rate (2011-2021)

Figure China Refractive Modulators Consumption and Growth Rate (2011-2021)

Figure Europe Refractive Modulators Production and Growth Rate (2011-2021)

Figure Europe Refractive Modulators Consumption and Growth Rate (2011-2021)

Figure Japan Refractive Modulators Production and Growth Rate (2011-2021)

Figure Japan Refractive Modulators Consumption and Growth Rate (2011-2021)

Figure Taiwan Refractive Modulators Production and Growth Rate (2011-2021)

Figure Taiwan Refractive Modulators Consumption and Growth Rate (2011-2021)  
Figure Korea Refractive Modulators Production and Growth Rate (2011-2021)  
Figure Korea Refractive Modulators Consumption and Growth Rate (2011-2021)  
Table Global Refractive Modulators Production and Revenue (2011-2021)  
Figure Global Refractive Modulators Production and Growth Rate (2011-2021)  
Figure Global Refractive Modulators Revenue and Growth Rate (2011-2021)  
Table Global Refractive Modulators Production of Key Manufacturers (2015 and 2016)  
Table Global Refractive Modulators Production Share by Manufacturers (2015 and 2016)  
Figure 2015 Refractive Modulators Production Share by Manufacturers  
Figure 2016 Refractive Modulators Production Share by Manufacturers  
Table Global Refractive Modulators Revenue by Manufacturers (2015 and 2016)  
Table Global Refractive Modulators Revenue Share by Manufacturers (2015 and 2016)  
Table 2015 Global Refractive Modulators Revenue Share by Manufacturers  
Table 2016 Global Refractive Modulators Revenue Share by Manufacturers  
Table Global Market Refractive Modulators Average Price of Key Manufacturers (2015 and 2016)  
Table Manufacturers Refractive Modulators Manufacturing Base Distribution and Product Type  
Table Global Refractive Modulators Production Market by Region (2011-2021)  
Figure Global Refractive Modulators Production Market by Region (2011-2021)  
Figure Global Refractive Modulators Production Market Share by Region (2011-2021)  
Table Global Refractive Modulators Revenue Market by Region (2011-2021)  
Table Global Refractive Modulators Revenue Market Share by Region (2011-2021)  
Table Global Refractive Modulators Consumption Market by Region (2011-2021)  
Table Global Refractive Modulators Consumption Market Share by Region (2011-2021)  
Figure Global Refractive Modulators Consumption Market Share by Region (2011-2021)  
Table North America Refractive Modulators Production, Revenue and Price (2011-2021)  
Figure North America Refractive Modulators Production, Revenue and Growth Rate (2011-2021)  
Table Europe Refractive Modulators Production, Revenue and Price (2011-2021)  
Figure Europe Refractive Modulators Production, Revenue and Growth Rate (2011-2021)  
Table China Refractive Modulators Production, Revenue and Price (2011-2021)  
Figure China Refractive Modulators Production, Revenue and Growth Rate (2011-2021)  
Table Japan Refractive Modulators Production, Revenue and Price (2011-2021)  
Figure Japan Refractive Modulators Production, Revenue and Growth Rate (2011-2021)

Table Taiwan Refractive Modulators Production, Revenue and Price (2011-2021)

Figure Taiwan Refractive Modulators Production, Revenue and Growth Rate (2011-2021)

Table Korea Refractive Modulators Production, Revenue and Price (2011-2021)

Figure Korea Refractive Modulators Production, Revenue and Growth Rate (2011-2021)

Table Global Refractive Modulators Production by Type (2011-2021)

Table Global Refractive Modulators Production Share by Type (2011-2021)

Figure Production Market Share of Refractive Modulators by Type (2011-2021)

Figure Global Refractive Modulators Production Growth Rate by Type (2011-2021)

Table Global Refractive Modulators Revenue by Type (2011-2021)

Table Global Refractive Modulators Revenue Share by Type (2011-2021)

Figure Global Refractive Modulators Revenue Growth Rate by Type (2011-2021)

Figure TRANCEIVERS Production, Revenue and Growth (2011-2021)

Figure TRANCEIVERS Price Trend (2011-2021)

Figure ACTIVE OPTICAL CABLES Production, Revenue and Growth (2011-2021)

Figure ACTIVE OPTICAL CABLES Price Trend (2011-2021)

Figure OPTICAL MULTIPLEXERS Production, Revenue and Growth (2011-2021)

Figure OPTICAL MULTIPLEXERS Price Trend (2011-2021)

Figure VARIABLE OPTICAL ATTENUATORS Production, Revenue and Growth (2011-2021)

Figure VARIABLE OPTICAL ATTENUATORS Price Trend (2011-2021)

Figure OPTICAL ENGINES Production, Revenue and Growth (2011-2021)

Figure OPTICAL ENGINES Price Trend (2011-2021)

Figure RF CIRCUITS Production, Revenue and Growth (2011-2021)

Figure RF CIRCUITS Price Trend (2011-2021)

Table Global Refractive Modulators Consumption by Application (2011-2021)

Table Global Refractive Modulators Consumption Market Share by Application (2011-2021)

Figure Global Refractive Modulators Consumption Market Share by Application in 2015

Figure Global Refractive Modulators Consumption Market Share by Application in 2021

Table North America Refractive Modulators Consumption by Application (2015 and 2016)

Table Europe Refractive Modulators Consumption by Application (2015 and 2016)

Table China Refractive Modulators Consumption by Application (2015 and 2016)

Table Japan Refractive Modulators Consumption by Application (2015 and 2016)

Table Taiwan Refractive Modulators Consumption by Application (2015 and 2016)

Table Korea Refractive Modulators Consumption by Application (2015 and 2016)

Table Global Refractive Modulators Consumption Growth Rate by Application (2011-2021)

Figure Global Refractive Modulators Consumption Growth Rate by Application  
(2011-2021)

Table CISCO SYSTEMS, INC. Basic Information List

Table Refractive Modulators Production, Revenue, Price of CISCO SYSTEMS, INC.  
(2015 and 2016)

Table INTEL CORPORATION Basic Information List

Table Refractive Modulators Production, Revenue, Price of INTEL CORPORATION  
(2015 and 2016)

Table INTERNATIONAL BUSINESS MACHINES CORPORATION (IBM) Basic  
Information List

Table Refractive Modulators Production, Revenue, Price of INTERNATIONAL  
BUSINESS MACHINES CORPORATION (IBM) (2015 and 2016)

Table MELLANOX TECHNOLOGIES, LTD. Basic Information List

Table Refractive Modulators Production, Revenue, Price of MELLANOX  
TECHNOLOGIES, LTD. (2015 and 2016)

Table HAMAMATSU PHOTONICS K.K. Basic Information List

Table Refractive Modulators Production, Revenue, Price of HAMAMATSU PHOTONICS  
K.K. (2015 and 2016)

Table FINISAR CORPORATION Basic Information List

Table Refractive Modulators Production, Revenue, Price of FINISAR CORPORATION  
(2015 and 2016)

Table INFINERA CORPORATION Basic Information List

Table Refractive Modulators Production, Revenue, Price of INFINERA CORPORATION  
(2015 and 2016)

Table STMICROELECTRONICS N.V. Basic Information List

Table Refractive Modulators Production, Revenue, Price of STMICROELECTRONICS  
N.V. (2015 and 2016)

Table LUXTERA INC. Basic Information List

Table Refractive Modulators Production, Revenue, Price of LUXTERA INC. (2015 and  
2016)

Table AURRION INC. Basic Information List

Table Refractive Modulators Production, Revenue, Price of AURRION INC. (2015 and  
2016)

Table DAS PHOTONICS Basic Information List

Table Refractive Modulators Production, Revenue, Price of DAS PHOTONICS (2015  
and 2016)

## I would like to order

Product name: Global Refractive Modulators Market Research Report 2021

Product link: <https://marketpublishers.com/r/GE2168CE06CEN.html>

Price: US\$ 2,900.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE2168CE06CEN.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