+44 20 8123 2220
info@marketpublishers.com

Global Handset Flash LED Module Market Professional Survey Report 2017

https://marketpublishers.com/r/GA45BDE2E77EN.html
Date: January 2017
Pages: 124
Price: US$ 3,500.00 (Single User License)
ID: GA45BDE2E77EN

Abstracts

Notes:

Production, means the output of Handset Flash LED Module

Revenue, means the sales value of Handset Flash LED Module

This report studies Handset Flash LED Module in Global market, especially in North America, China, Europe, Southeast Asia, Japan and India, with production, revenue, consumption, import and export in these regions, from 2011 to 2015, and forecast to 2021.

This report focuses on top manufacturers in global market, with production, price, revenue and market share for each manufacturer, covering

Nichia

SAMSUNG

EPISTAR

Cree

Osram

PHILIPS Lumileds

+44 20 8123 2220
info@marketpublishers.com

SSC

LG Innotek

Toyoda Gosei

Semileds

By types, the market can be split into

Low power (0.3W below)

Middle power (0.3-0.5W)

High power (1W and above)

By Application, the market can be split into

Personal Use

Commercial Use

By Regions, this report covers (we can add the regions/countries as you want)

North America

China

Europe

Southeast Asia

Japan

India

+44 20 8123 2220
info@marketpublishers.com

Contents

Global Handset Flash LED Module Market Professional Survey Report 2017

1 INDUSTRY OVERVIEW OF HANDSET FLASH LED MODULE

1.1 Definition and Specifications of Handset Flash LED Module
  1.1.1 Definition of Handset Flash LED Module
  1.1.2 Specifications of Handset Flash LED Module
1.2 Classification of Handset Flash LED Module
  1.2.1 Low power (0.3W below)
  1.2.2 Middle power (0.3-0.5W)
  1.2.3 High power (1W and above)
1.3 Applications of Handset Flash LED Module
  1.3.1 Personal Use
  1.3.2 Commercial Use
  1.3.3 Application
1.4 Market Segment by Regions
  1.4.1 North America
  1.4.2 China
  1.4.3 Europe
  1.4.4 Southeast Asia
  1.4.5 Japan
  1.4.6 India

2 MANUFACTURING COST STRUCTURE ANALYSIS OF HANDSET FLASH LED MODULE

2.1 Raw Material and Suppliers
2.2 Manufacturing Cost Structure Analysis of Handset Flash LED Module
2.3 Manufacturing Process Analysis of Handset Flash LED Module
2.4 Industry Chain Structure of Handset Flash LED Module

3 TECHNICAL DATA AND MANUFACTURING PLANTS ANALYSIS OF HANDSET FLASH LED MODULE

3.1 Capacity and Commercial Production Date of Global Handset Flash LED Module Major Manufacturers in 2015
3.2 Manufacturing Plants Distribution of Global Handset Flash LED Module Major

+44 20 8123 2220
info@marketpublishers.com

Manufacturers in 2015
3.3 R&D Status and Technology Source of Global Handset Flash LED Module Major Manufacturers in 2015
3.4 Raw Materials Sources Analysis of Global Handset Flash LED Module Major Manufacturers in 2015

4 GLOBAL HANDSET FLASH LED MODULE OVERALL MARKET OVERVIEW

4.1 2011-2016 Overall Market Analysis
4.2 Capacity Analysis
  4.2.1 2011-2016 Global Handset Flash LED Module Capacity and Growth Rate Analysis
  4.2.2 2015 Handset Flash LED Module Capacity Analysis (Company Segment)
4.3 Sales Analysis
  4.3.1 2011-2016 Global Handset Flash LED Module Sales and Growth Rate Analysis
  4.3.2 2015 Handset Flash LED Module Sales Analysis (Company Segment)
4.4 Sales Price Analysis
  4.4.1 2011-2016 Global Handset Flash LED Module Sales Price
  4.4.2 2015 Handset Flash LED Module Sales Price Analysis (Company Segment)

5 HANDSET FLASH LED MODULE REGIONAL MARKET ANALYSIS

5.1 North America Handset Flash LED Module Market Analysis
  5.1.1 North America Handset Flash LED Module Market Overview
  5.1.2 North America 2011-2016 Handset Flash LED Module Local Supply, Import, Export, Local Consumption Analysis
  5.1.3 North America 2011-2016 Handset Flash LED Module Sales Price Analysis
  5.1.4 North America 2015 Handset Flash LED Module Market Share Analysis
5.2 China Handset Flash LED Module Market Analysis
  5.2.1 China Handset Flash LED Module Market Overview
  5.2.2 China 2011-2016 Handset Flash LED Module Local Supply, Import, Export, Local Consumption Analysis
  5.2.3 China 2011-2016 Handset Flash LED Module Sales Price Analysis
  5.2.4 China 2015 Handset Flash LED Module Market Share Analysis
5.3 Europe Handset Flash LED Module Market Analysis
  5.3.1 Europe Handset Flash LED Module Market Overview
  5.3.2 Europe 2011-2016 Handset Flash LED Module Local Supply, Import, Export, Local Consumption Analysis
  5.3.3 Europe 2011-2016 Handset Flash LED Module Sales Price Analysis

+44 20 8123 2220
info@marketpublishers.com

5.3.4 Europe 2015 Handset Flash LED Module Market Share Analysis
5.4 Southeast Asia Handset Flash LED Module Market Analysis
5.4.1 Southeast Asia Handset Flash LED Module Market Overview
5.4.2 Southeast Asia 2011-2016 Handset Flash LED Module Local Supply, Import, Export, Local Consumption Analysis
5.4.3 Southeast Asia 2011-2016 Handset Flash LED Module Sales Price Analysis
5.4.4 Southeast Asia 2015 Handset Flash LED Module Market Share Analysis
5.5 Japan Handset Flash LED Module Market Analysis
5.5.1 Japan Handset Flash LED Module Market Overview
5.5.2 Japan 2011-2016 Handset Flash LED Module Local Supply, Import, Export, Local Consumption Analysis
5.5.3 Japan 2011-2016 Handset Flash LED Module Sales Price Analysis
5.5.4 Japan 2015 Handset Flash LED Module Market Share Analysis
5.6 India Handset Flash LED Module Market Analysis
5.6.1 India Handset Flash LED Module Market Overview
5.6.2 India 2011-2016 Handset Flash LED Module Local Supply, Import, Export, Local Consumption Analysis
5.6.3 India 2011-2016 Handset Flash LED Module Sales Price Analysis
5.6.4 India 2015 Handset Flash LED Module Market Share Analysis

6 GLOBAL 2011-2016 HANDSET FLASH LED MODULE SEGMENT MARKET ANALYSIS (BY TYPE)

6.1 Global 2011-2016 Handset Flash LED Module Sales by Type
6.2 Different Types of Handset Flash LED Module Product Interview Price Analysis
6.3 Different Types of Handset Flash LED Module Product Driving Factors Analysis
6.3.1 Low power (0.3W below) of Handset Flash LED Module Growth Driving Factor Analysis
6.3.2 Middle power (0.3-0.5W) of Handset Flash LED Module Growth Driving Factor Analysis
6.3.3 High power (1W and above) of Handset Flash LED Module Growth Driving Factor Analysis

7 GLOBAL 2011-2016 HANDSET FLASH LED MODULE SEGMENT MARKET ANALYSIS (BY APPLICATION)

7.1 Global 2011-2016 Handset Flash LED Module Consumption by Application
7.2 Different Application of Handset Flash LED Module Product Interview Price Analysis
7.3 Different Application of Handset Flash LED Module Product Driving Factors Analysis

+44 20 8123 2220
info@marketpublishers.com

7.3.1 Personal Use of Handset Flash LED Module Growth Driving Factor Analysis
7.3.2 Commercial Use of Handset Flash LED Module Growth Driving Factor Analysis

8 MAJOR MANUFACTURERS ANALYSIS OF HANDSET FLASH LED MODULE

8.1 Nichia
8.1.1 Company Profile
8.1.2 Product Picture and Specifications
8.1.2.1 Low power (0.3W below)
8.1.2.2 Middle power (0.3-0.5W)
8.1.2.3 High power (1W and above)
8.1.3 Nichia 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.1.4 Nichia 2015 Handset Flash LED Module Business Region Distribution Analysis
8.2 SAMSUNG
8.2.1 Company Profile
8.2.2 Product Picture and Specifications
8.2.2.1 Low power (0.3W below)
8.2.2.2 Middle power (0.3-0.5W)
8.2.2.3 High power (1W and above)
8.2.3 SAMSUNG 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.2.4 SAMSUNG 2015 Handset Flash LED Module Business Region Distribution Analysis
8.3 EPISTAR
8.3.1 Company Profile
8.3.2 Product Picture and Specifications
8.3.2.1 Low power (0.3W below)
8.3.2.2 Middle power (0.3-0.5W)
8.3.2.3 High power (1W and above)
8.3.3 EPISTAR 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.3.4 EPISTAR 2015 Handset Flash LED Module Business Region Distribution Analysis
8.4 Cree
8.4.1 Company Profile
8.4.2 Product Picture and Specifications
8.4.2.1 Low power (0.3W below)
8.4.2.2 Middle power (0.3-0.5W)

+44 20 8123 2220
info@marketpublishers.com

8.4.2.3 High power (1W and above)
8.4.3 Cree 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.4.4 Cree 2015 Handset Flash LED Module Business Region Distribution Analysis
8.5 Osram
8.5.1 Company Profile
8.5.2 Product Picture and Specifications
8.5.2.1 Low power (0.3W below)
8.5.2.2 Middle power (0.3-0.5W)
8.5.2.3 High power (1W and above)
8.5.3 Osram 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.5.4 Osram 2015 Handset Flash LED Module Business Region Distribution Analysis
8.6 PHILIPS Lumileds
8.6.1 Company Profile
8.6.2 Product Picture and Specifications
8.6.2.1 Low power (0.3W below)
8.6.2.2 Middle power (0.3-0.5W)
8.6.2.3 High power (1W and above)
8.6.3 PHILIPS Lumileds 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.6.4 PHILIPS Lumileds 2015 Handset Flash LED Module Business Region Distribution Analysis
8.7 SSC
8.7.1 Company Profile
8.7.2 Product Picture and Specifications
8.7.2.1 Low power (0.3W below)
8.7.2.2 Middle power (0.3-0.5W)
8.7.2.3 High power (1W and above)
8.7.3 SSC 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.7.4 SSC 2015 Handset Flash LED Module Business Region Distribution Analysis
8.8 LG Innotek
8.8.1 Company Profile
8.8.2 Product Picture and Specifications
8.8.2.1 Low power (0.3W below)
8.8.2.2 Middle power (0.3-0.5W)
8.8.2.3 High power (1W and above)
8.8.3 LG Innotek 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue,

+44 20 8123 2220
info@marketpublishers.com

Gross Margin Analysis
8.8.4 LG Innotek 2015 Handset Flash LED Module Business Region Distribution Analysis
8.9 Toyoda Gosei
8.9.1 Company Profile
8.9.2 Product Picture and Specifications
8.9.2.1 Low power (0.3W below)
8.9.2.2 Middle power (0.3-0.5W)
8.9.2.3 High power (1W and above)
8.9.3 Toyoda Gosei 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.9.4 Toyoda Gosei 2015 Handset Flash LED Module Business Region Distribution Analysis
8.10 Semileds
8.10.1 Company Profile
8.10.2 Product Picture and Specifications
8.10.2.1 Low power (0.3W below)
8.10.2.2 Middle power (0.3-0.5W)
8.10.2.3 High power (1W and above)
8.10.3 Semileds 2015 Handset Flash LED Module Sales, Ex-factory Price, Revenue, Gross Margin Analysis
8.10.4 Semileds 2015 Handset Flash LED Module Business Region Distribution Analysis

9 DEVELOPMENT TREND OF ANALYSIS OF HANDSET FLASH LED MODULE MARKET

9.1 Global Handset Flash LED Module Market Trend Analysis
9.1.1 Global 2016-2021 Handset Flash LED Module Market Size (Volume and Value) Forecast
9.1.2 Global 2016-2021 Handset Flash LED Module Sales Price Forecast
9.2 Handset Flash LED Module Regional Market Trend
9.2.1 North America 2016-2021 Handset Flash LED Module Consumption Forecast
9.2.2 China 2016-2021 Handset Flash LED Module Consumption Forecast
9.2.3 Europe 2016-2021 Handset Flash LED Module Consumption Forecast
9.2.4 Southeast Asia 2016-2021 Handset Flash LED Module Consumption Forecast
9.2.5 Japan 2016-2021 Handset Flash LED Module Consumption Forecast
9.2.6 India 2016-2021 Handset Flash LED Module Consumption Forecast
9.3 Handset Flash LED Module Market Trend (Product Type)

+44 20 8123 2220
info@marketpublishers.com

9.4 Handset Flash LED Module Market Trend (Application)

10 HANDSET FLASH LED MODULE MARKETING TYPE ANALYSIS

10.1 Handset Flash LED Module Regional Marketing Type Analysis
10.2 Handset Flash LED Module International Trade Type Analysis
10.3 Traders or Distributors with Contact Information of Handset Flash LED Module by Regions
10.4 Handset Flash LED Module Supply Chain Analysis

11 CONSUMERS ANALYSIS OF HANDSET FLASH LED MODULE

11.1 Consumer 1 Analysis
11.2 Consumer 2 Analysis
11.3 Consumer 3 Analysis
11.4 Consumer 4 Analysis

12 CONCLUSION OF THE GLOBAL HANDSET FLASH LED MODULE MARKET PROFESSIONAL SURVEY REPORT 2017

Methodology
Analyst Introduction
Data Source

The report requires updating with new data and is sent in 2-3 business days after order is placed.

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Handset Flash LED Module
Table Product Specifications of Handset Flash LED Module
Table Classification of Handset Flash LED Module
Figure Global Production Market Share of Handset Flash LED Module by Type in 2015
Figure Low power (0.3W below) Picture
Table Major Manufacturers of Low power (0.3W below)
Figure Middle power (0.3-0.5W) Picture
Table Major Manufacturers of Middle power (0.3-0.5W)
Figure High power (1W and above) Picture
Table Major Manufacturers of High power (1W and above)
Table Applications of Handset Flash LED Module
Figure Global Consumption Volume Market Share of Handset Flash LED Module by Application in 2015
Figure Personal Use Examples
Table Major Consumers of Personal Use
Figure Commercial Use Examples
Table Major Consumers of Commercial Use
Figure Market Share of Handset Flash LED Module by Regions
Figure North America Handset Flash LED Module Market Size (2011-2021)
Figure China Handset Flash LED Module Market Size (2011-2021)
Figure Europe Handset Flash LED Module Market Size (2011-2021)
Figure Southeast Asia Handset Flash LED Module Market Size (2011-2021)
Figure Japan Handset Flash LED Module Market Size (2011-2021)
Figure India Handset Flash LED Module Market Size (2011-2021)
Table Handset Flash LED Module Raw Material and Suppliers
Table Manufacturing Cost Structure Analysis of Handset Flash LED Module in 2015
Figure Manufacturing Process Analysis of Handset Flash LED Module
Figure Industry Chain Structure of Handset Flash LED Module
Table Capacity and Commercial Production Date of Global Handset Flash LED Module Major Manufacturers in 2015
Table Manufacturing Plants Distribution of Global Handset Flash LED Module Major Manufacturers in 2015
Table R&D Status and Technology Source of Global Handset Flash LED Module Major Manufacturers in 2015
Table Raw Materials Sources Analysis of Global Handset Flash LED Module Major

+44 20 8123 2220
info@marketpublishers.com

Manufacturers in 2015
Table Global Capacity, Sales, Price, Cost, Sales Revenue (M USD) and Gross Margin of Handset Flash LED Module 2011-2016
Figure Global 2011-2016 Handset Flash LED Module Market Size (Volume) and Growth Rate
Figure Global 2011-2016 Handset Flash LED Module Market Size (Value) and Growth Rate
Table 2011-2016 Global Handset Flash LED Module Capacity and Growth Rate
Table 2015 Global Handset Flash LED Module Capacity List (Company Segment)
Table 2011-2016 Global Handset Flash LED Module Sales and Growth Rate
Table 2015 Global Handset Flash LED Module Sales List (Company Segment)
Table 2011-2016 Global Handset Flash LED Module Sales Price
Table 2015 Global Handset Flash LED Module Sales Price List (Company Segment)
Figure North America Capacity Overview
Table North America Supply, Import, Export and Consumption of Handset Flash LED Module 2011-2016
Figure North America 2011-2016 Handset Flash LED Module Sales Price
Figure North America 2015 Handset Flash LED Module Sales Market Share
Figure China Capacity Overview
Table China Supply, Import, Export and Consumption of Handset Flash LED Module 2011-2016
Figure China 2011-2016 Handset Flash LED Module Sales Price
Figure China 2015 Handset Flash LED Module Sales Market Share
Figure Europe Capacity Overview
Table Europe Supply, Import, Export and Consumption of Handset Flash LED Module 2011-2016
Figure Europe 2011-2016 Handset Flash LED Module Sales Price
Figure Europe 2015 Handset Flash LED Module Sales Market Share
Figure Southeast Asia Capacity Overview
Table Southeast Asia Supply, Import, Export and Consumption of Handset Flash LED Module 2011-2016
Figure Southeast Asia 2011-2016 Handset Flash LED Module Sales Price
Figure Southeast Asia 2015 Handset Flash LED Module Sales Market Share
Figure Japan Capacity Overview
Table Japan Supply, Import, Export and Consumption of Handset Flash LED Module 2011-2016
Figure Japan 2011-2016 Handset Flash LED Module Sales Price
Figure Japan 2015 Handset Flash LED Module Sales Market Share
Figure India Capacity Overview

+44 20 8123 2220
info@marketpublishers.com

Table India Supply, Import, Export and Consumption of Handset Flash LED Module 2011-2016
Figure India 2011-2016 Handset Flash LED Module Sales Price
Figure India 2015 Handset Flash LED Module Sales Market Share
Table Global 2011-2016 Handset Flash LED Module Sales by Type
Table Different Types Handset Flash LED Module Product Interview Price
Table Global 2011-2016 Handset Flash LED Module Sales by Application
Table Different Application Handset Flash LED Module Product Interview Price
Table Nichia Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 Nichia Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 Nichia 2015 Handset Flash LED Module Business Region Distribution
Table SAMSUNG Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 SAMSUNG Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 SAMSUNG 2015 Handset Flash LED Module Business Region Distribution
Table EPISTAR Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 EPISTAR Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 EPISTAR 2015 Handset Flash LED Module Business Region Distribution
Table Cree Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 Cree Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 Cree 2015 Handset Flash LED Module Business Region Distribution
Table Osram Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 Osram Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 Osram 2015 Handset Flash LED Module Business Region Distribution
Table PHILIPS Lumileds Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 PHILIPS Lumileds Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 PHILIPS Lumileds 2015 Handset Flash LED Module Business Region

+44 20 8123 2220
info@marketpublishers.com

Distribution
Table SSC Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 SSC Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 SSC 2015 Handset Flash LED Module Business Region Distribution
Table LG Innotek Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 LG Innotek Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 LG Innotek 2015 Handset Flash LED Module Business Region Distribution
Table Toyoda Gosei Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 Toyoda Gosei Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 Toyoda Gosei 2015 Handset Flash LED Module Business Region Distribution
Table Semileds Information List
Table Low power (0.3W below) Handset Flash LED Module Overview
Table Middle power (0.3-0.5W) Handset Flash LED Module Overview
Table 2015 Semileds Handset Flash LED Module Revenue, Sales, Ex-factory Price
Figure 2015 Semileds 2015 Handset Flash LED Module Business Region Distribution
Figure Global 2016-2021 Handset Flash LED Module Market Size (Volume) and Growth Rate Forecast
Figure Global 2016-2021 Handset Flash LED Module Market Size (Value) and Growth Rate Forecast
Figure Global 2016-2021 Handset Flash LED Module Sales Price Forecast
Figure North America 2016-2021 Handset Flash LED Module Consumption Volume and Growth Rate Forecast
Figure China 2016-2021 Handset Flash LED Module Consumption Volume and Growth Rate Forecast
Figure Europe 2016-2021 Handset Flash LED Module Consumption Volume and Growth Rate Forecast
Figure Southeast Asia 2016-2021 Handset Flash LED Module Consumption Volume and Growth Rate Forecast
Figure Japan 2016-2021 Handset Flash LED Module Consumption Volume and Growth Rate Forecast
Figure India 2016-2021 Handset Flash LED Module Consumption Volume and Growth Rate Forecast

+44 20 8123 2220
info@marketpublishers.com

Table Global Sales Volume of Handset Flash LED Module by Types 2016-2021
Table Global Consumption Volume of Handset Flash LED Module by Applications 2016-2021
Table Traders or Distributors with Contact Information of Handset Flash LED Module by Regions

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Global Handset Flash LED Module Market Professional Survey Report 2017
Product link: https://marketpublishers.com/r/GA45BDE2E77EN.html
Price: US$ 3,500.00 (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/GA45BDE2E77EN.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

Custumer 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