

Multi Touch Screens: Market Research Report

https://marketpublishers.com/r/M7261927574EN.html

Date: January 2015

Pages: 156

Price: US\$ 4,500.00 (Single User License)

ID: M7261927574EN

Abstracts

This report analyzes the Global market for Multi Touch Screens in US\$ Million. Annual estimates and forecasts are provided for the period 2014 through 2020. Also, a four-year historic analysis is provided for this market. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs. The report profiles 63 companies including many key and niche players such as -

3M8 LLC

3M Company

Baanto International Ltd.

Cando Corporation

Cypress Semiconductor Corporation



Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

Touch Screen Technologies - A Preface

Table 1. Global Market for Touch Screen Devices (2013, 2014 & 2015): Percentage Share Breakdown of Volume Shipments for All-in-one PCs, Feature Phones, Monitors, Notebook PCs, Smartphones, Tablet PCs and Others (includes corresponding Graph/Chart)

Multi Touch Screens – A Prelude Comparison between Touch Screen and Multi Touch Screen Market Outlook

2. MARKET DYNAMICS

Increasing Use of Multi Touch Screen in Mobile Devices Drives Demand
Projected Capacitive Technology Spurs Growth of Multi Touch Screens
Combination of Gesture Recognition and Multi Touch Technologies Offer Immense
Opportunities

Multi Touch Shape Recognition: An Imperative Feature in Touch Screen Technology

Table 2. World Market for Touchscreen by Technology (2012-2014): Percentage Breakdown of Volume Shipments for Capacitive, Resistive and Others (includes corresponding Graph/Chart)



Resistive Touch Screens with Upgraded Controller ICs to Offer Multi Touch Functionalities

Use of TDDI Adds to Growth of Multi Touch Screen Technologies

Comparison of Select Features of Capacitive Touch (OGS & G/F/F) with In-cell and Oncell Technologies

Single-Layer Touch Sensors Expand Application of Touch Capabilities Increasing Demand for Flexible Displays Drives Growth

ITO, the Base Material for Touch Screens, Faces Supply Issues Increasing Focus on Alternatives to ITO as Materials for Touch Screens

An Overview of Alternative Materials Used in Touch Screens

Graphene

Metal Mesh

Silver Nanowire Technology

Research in the Field of Multi-touch Interfaces, Then and Now Increasing Number of Patents Reflect Continuing Innovation in Touch Screen Technology

Haptics in Touch-based Interfaces: An Emerging Market

3. MULTI TOUCH SCREEN APPLICATION MARKETS

Smartphones – The Largest Market for Multi Touch Screens
Growing Sales of Smartphones Augurs Well for Multi Touch Screen Technologies

Table 3. Global Market for Smartphones by Geographic Region (2013-2015): Breakdown of Annual Shipments in Thousand Units for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America (includes corresponding Graph/Chart)

Table 4. Smartphone Penetration Worldwide (as a Percentage of Total Population) for Major Countries: 2014E (includes corresponding Graph/Chart)

Table 5. Most Performed Activity on Smartphones Using Touch Technology: 2014 (includes corresponding Graph/Chart)

Trend towards Sleeker Mobiles Augurs Well for Thin Touch Sensors

Tablets: Another Key Market for Multi Touch Screens

Touch Screens Notebook PCs: A Business Case for Multi Touch Screens Technologies



Table 6. Global Notebooks Market by Screen Type (2013-2016): Percentage Share Breakdown of Unit Volume Sales for Touch Notebooks and Non-Touch Notebooks (includes corresponding Graph/Chart)

Table 7. Select Notebook Manufacturers and their Touch Proliferation (% of Total Notebooks Manufactured with Touch Screens) for the Year 2014 (includes corresponding Graph/Chart)

Multi Touch Screens Find Increasing Usage in Gaming, Retail and Digital Signage Applications

Increasing Adoption of Multi-Touch Screen Technology in Infotainment Applications Addressing Diverse Audiences and Content

Robust Software Design and Integration

Viewable in Bright Light

Location of Display

Touch Screen: The Most Ubiquitous Technology in Educational Sector
Touch Screen Technology: Adoption and Utilization in Early Childhood Education
Multi Touch Screens Make Learning Sessions Highly Interactive for Students
Touch Screens in Public Shared Devices: An Attractive Opportunity
Growing Trend towards Touch Screen ATMs: Opportunity for Growth
Global ATM Market – An Opportunity Indicator

Table 8. Global Automated Teller Machines Market by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East, and Latin American Markets Independently Analyzed with Installed Base in '000 Units for 2015 & 2020 (includes corresponding Graph/Chart)

Multi Touch Technology Makes Inroads in Automation Industry with Multi Touch HMI Multi Touch HMI Screens in Industrial Sector Gaining Share Visualization is Here to Stay

4. TECHNOLOGY OVERVIEW

Multi-touch Technology: Enabling Easy and Intuitive Operability Added Features Make Operations Easy Multi-Touch Screen Technologies Transforming Communication Electronic Pitch



Envisioning Intricate Multi-touch Gestures on Large Format Screens Multi Touch Screen in iPhone Facilitate Multiple Touch Commands Software and Technologies Supporting Multi Touch Functionality ZeroTouch: An Optical Multi-Touch Interface and Free-Air Interaction Architecture CPLDs Enable Development of Multipoint Touch Displays and Panels Walls and Touch Tables Enjoy LED Display with Multi Touch Screens Innovations in Multi Touch Screen Technologies in Commercial and Industrial **Applications** LCD Touch Kiosks

Touch&Go Beam

FingerTip Touchscreen Controllers

3M MULTI-TOUCH DISPLAY M2256PW

Multi Touch Screens Emerge as Enablers of Mapping Applications

5. PRODUCT OVERVIEW

Multi Touch Screens – An Introduction

Development of Multi Touch Screen Technology

Pros and Cons of Multi Touch Interfaces

Benefits

Drawbacks

A Review of Various Types of Multi Touch Screen Technologies

Resistive Touch Screen

Capacitive Touch Screen

Classification of Capacitive Touchscreens

Surface Capacitance

Projected Capacitance

Mutual Capacitance

Resistive Touch Screen Vs Capacitive Multi Touch Screen

In-Cell/On Cell Touch Technology

Infrared grid

Infrared Acrylic Projection

Dispersive Signal Technology

Acoustic Pulse Recognition

A Comparison of Major Characteristics of Various Touch Screen Technologies

A Review of Optical Based Touch Surfaces

Diffuse Illumination (DI)



Diffused Surface Illumination (DSI)

Pros and Cons of DSI

LCD Enabled MT Surfaces with Optical-Based Sensors

Optical-Based Approaches: Bezel-IR for LCD

Optical-Based Approaches: Matrix of IR Transceivers

Optical Touch Screens and Shadow Sense Touch Interfaces

Optical Sensing Multi Touch Technology

FTIR System and its Layers

DRAS - Another Multi Touch Sensing Technology

6. PRODUCT INNOVATIONS/INTRODUCTIONS

Luso Introduces TimeLink's New Line of Multi-Touch Panels

Acquire Digital to Introduce New Range of Multi-Touch Applications

Fujitsu Components America Introduces New Line of Projected Capacitive Touch Panels

3M TOUCH SYSTEMS LAUNCHES NEW LINE OF MULTI-TOUCH SOLUTIONS

Planar Systems Unveils 84-inch 4K Planar UltraRes Touch

ViewSonic Releases New 10-Point Multi-Touch 22" Display

Fujitsu Introduces New Resistive Touch Panels

Zytronic Releases Large Curved Multi-touch Screen Technology

3M TOUCH SYSTEMS TO UNVEIL NEW RANGE OF MULTI-TOUCH PRODUCTS

Synaptics Introduces Single Layer On-Cell (SLOC) Capacitive Touch Solution

DISPLAX Launches New Versions of Skin Multitouch

Neonode Releases Enhanced Circular Multi-Touch and Proximity Platform

SensaTouch Releases New Range of Multi-Touch Overlays

Omnivision Studios Showcases New & Improved Omnitapps Business Multi-Touch Suite 3.

7. RECENT INDUSTRY ACTIVITY

Astec Technology Enters into Partnership with 3M

NUITEQ Inks Agreement with Multitouch

Canatu Enters into Partnership with Display Solution

Baanto Enters into Partnership with NEC

Multi Touch Enters into Partnership with Ventuz

Matrox Graphics Collaborates with 3M Touch Systems

Zytronic and DisplayLite Enter into an Agreement



8. FOCUS ON SELECT GLOBAL PLAYERS

3M8 LLC (US)

3M COMPANY (US)

Baanto International Ltd. (Canada)

Cando Corporation (Taiwan)

Cypress Semiconductor Corporation (US)

Displax Interactive Systems (Portugal)

ELK Corp. (Korea)

FUJITSU LIMITED (Japan)

HannsTouch Solution Inc. (Taiwan)

Immersion Corporation (US)

IntuiLab SA (France)

JTOUCH Corporation (Taiwan)

Natural User Interface Technologies AB (Sweden)

Nissha Printing Co., Ltd. (Japan)

Synaptics (US)

TouchMagix Media Pvt. Ltd. (India)

TPK Holding Co., Ltd. (Taiwan)

Wintek Corporation (Taiwan)

Young Fast Optoelectronics Co., Ltd. (Taiwan)

Zytronic Displays Ltd. (UK)

9. GLOBAL MARKET PERSPECTIVE

Table 9. World Recent Past, Current & Future Analysis for Multi Touch Screens by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan) and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 10. World Historic Review for Multi Touch Screens by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific (excluding Japan) and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Million for Years 2010 through 2013 (includes corresponding Graph/Chart)

Table 11. World 11-Year Perspective for Multi Touch Screens by Geographic Region - Percentage Breakdown of Revenues for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan) and Rest of World Markets for Years 2010, 2015 & 2020 (includes



corresponding Graph/Chart)

III. COMPETITIVE LANDSCAPE

Total Companies Profiled: 63 (including Divisions/Subsidiaries - 68)

The United States (24)

Canada (2)

Japan (5)

Europe (14)

France (1)

Germany (3)

The United Kingdom (6)

Rest of Europe (4)

Asia-Pacific (Excluding Japan) (22)

Latin America (1)



I would like to order

Product name: Multi Touch Screens: Market Research Report

Product link: https://marketpublishers.com/r/M7261927574EN.html

Price: US\$ 4,500.00 (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/M7261927574EN.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