

Digital Transformation – Industrial IoT and the Connector Market

https://marketpublishers.com/r/DA28A685D4BEN.html

Date: February 2017

Pages: 0

Price: US\$ 3,950.00 (Single User License)

ID: DA28A685D4BEN

Abstracts

After the first (mechanization), second (mass production), and third (automation) industrial revolutions, the fourth industrial revolution has arrived on our doorstep and is dubbed the "Internet of Things" (IoT). The IoT will impact every aspect of our lives and the world we live in.

What does the Industrial Internet of Things mean for the connector market?

Which (communication) technologies are leading the way?

Which market sub-sectors are experiencing substantial growth due IoT implementation? Can we quantify the impact of the Industrial IoT on the connector market?

What are regional shares and growth rates by IIoT sub-sector, for the IIoT market?

Bishop & Associates newest research report, Digital Transformation – Industrial IoT and the Connector Market; Industrial IoT as the Driver of Connectivity – Smart Factory – Smart Grid – Smart City examines the Industrial IoT, with a detailed analysis of three key sub-sectors of the Industrial IoT. The report provides information on available communication technologies, applications within the Industrial IoT, and current and potential opportunities for connectors. Tables are included detailing connector potential by sub-sector, region, and connector type. Like previous industrial revolutions, the Industrial IoT has the potential to bring about profound changes. Be ready for the next industrial revolution, order your copy of Digital Transformation – Industrial IoT and the



Connector Market.



Contents

EXECUTIVE SUMMARY

Executive Summary

Smart Factory

Smart Grid

Smart Cities

Connector Sales

Industrial IoT Market for Connectors by Sector2015, 2016, 2017E, and 2021F
Industrial IoT Market for Connectors Market Share by Region 2015-2021F
Industrial Iot Market for Connectors Share Growth Rates 2016, 2017E, and 2021 CAGR
Industrial IoT Market for Connectors Growth Rates 2015-2021F

CHAPTER 1 – INTRODUCTION

Background
Industrial IoT Market Applications
Objectives
Scope of this Report
Methodology and Information Sources
Plan of Report

CHAPTER 2 - COMMUNICATION AND NETWORKING TECHNOLOGIES

- 2.1 Wired Communication Technologies
 - 2.1.1 Building Automation & Control Network (BACnet)
 - 2.1.2 Digital Addressable Lighting Interface (DALI)
 - 2.1.3 KNX
 - 2.1.4 LonMark and LonWorks (LON)
 - 2.1.5 Power Line Communications
 - 2.1.6 Industrial Ethernet

Ethernet/IP

EtherCAT

Ethernet Powerlink

ProfiNet

SERCOS III

- 2.1.7 ASI-bus
- 2.1.8 Controller Area Network (CAN)



2.2 Wireless Communication Technologies

2.2.1 WirelessHART

2.2.2 EnOcean

2.2.3 DASH

2.2.4 Cellular Technologies

2.2.4.1 2G

2.2.4.2 3G

3GPP LTE and LTE-Advanced

2.2.4.3 4G and LTE

LTE User Equipment Category and Class Definitions

LTE-M1

2.2.4.4 5G

2.2.5 Near Field Communications (NFC)

2.2.6 Radio Frequency Identification (RFID)

2.2.7 Zigbee

2.2.8 Z-Wave

2.2.9 Wi-Fi, Wi-Fi Direct, WiGig, LiFi and WiMax

Visual Light Communication (VFC)

2.2.10 Other Network Technologies

Thread

LoRaWAN and Symphony Link

LoRa

Sigfox

Bluetooth

BLE - Bluetooth Smart

6LoWPAN

NB-IoT

Ingenu

Insteon

IP500

Weightless-W

Weightless-N

Weightless-P

ANT and ANT+

DigiMesh

MiWi

CHAPTER 3 – SMART FACTORY



- 3.1 Introduction
- 3.2 Robotics: Robots Collaborating with Humans

Worldwide Sales of Industrial Robots by Market Sector 2015

- 3.2.1 Robotics Manufacturers
- 3.2.2 Regional Robotics Manufacturing and Usage

2015 Export Share of the Industrial Robot Market by Country

Robot Density by Country - 2014/2015

Industrial Market Share by Region 2015 (Unit Sales)

Worldwide Sales in Units of Industrial Robots by Region 2010-2015

CAGR (%) in Units of Industrial Robots by Region

- 3.2.3 Industrial Robots and the IIoT
- 3.2.4 Connectors Used in Robotics Applications

Average Cost and Estimated Connector Content in Dollars per Robot 2003 – 2015

- 3.2.5 Component Certification for Robotics
- 3.3 Machine Connectivity, Communications and Learning
 - 3.3.1 Machine-to-Machine Communication (M2M) and IIoT
 - 3.3.2 Machine Learning & Artificial Intelligence
- 3.4 Cyber Physical Systems (CPS)

Concept Map Cyber Physical Systems

3.5 Smart Connectivity – Connectors and Sensors

Connector Manufacturers Connect to Sensors

- 3.6 Automation Equipment Manufacturers and the IIoT
 - 3.6.1 General Electric
 - 3.6.2 Honeywell
 - 3.6.3 Schneider Electric
 - 3.6.4 Bosch
 - 3.6.5 Siemens
 - 3.6.6 Rockwell
 - 3.6.7 Mitsubishi
 - 3.6.8 AEG Power Solutions
- 3.7 Additive Manufacturing
- 3.8 Augmented Reality in the Factory

Project Growth of the AR Market

3.9 Industrial IoT in the Factory and the Connector Market

Industrial IoT: Smart Factory 2015

Industrial IoT: Smart Factory 2016

Industrial IoT: Smart Factory 2017E

Industrial IoT: Smart Factory 2021F



CHAPTER 4 – SMART GRID

4.1 Introduction

Evolutionary Process of "Making the Grid Smarter" 2010 to 2030

- 4.2 Power Distribution Automation
- 4.3 Smart Metering
- 4.4 Industrial Smart Grid
- 4.5 Energy Storage
- 4.6 Smart Grid Outlook

North America

Europe

Japan

China

Asia Pacific

ROW

Trends in Electricity Transmission and Distribution

4.7 Smart Grid and the Connector Market

Industrial IoT: Smart Grid Connector Market 2015

Industrial IoT; Smart Grid Connector Market 2016

Industrial IoT; Smart Grid Connector Market 2017E

Industrial IoT; Smart Grid Connector Market 2021F

CHAPTER 5 – SMART CITIES

- 5.1 Introduction
- 5.2 Smart Buildings & Homes
 - 5.2.1 Building Security, Access Control & Smart Locks
- **CCTV** and Security Devices
 - 5.2.2 Smart HVAC and Smart Thermostats
 - 5.2.3 Other Sensors and Actuators (Leaks, Smoke, Fire,...)
 - 5.2.4 Voice Control
- 5.3 Smart Traffic
- 5.4 Smart Lighting and Smart Plugs/Switches
- 5.5 Smart Parking
- 5.6 Smart Water
- 5.7 Smart Cities and the Connector Market

Industrial IoT: Smart Cities Connector Market 2015

Industrial IoT: Smart Cities Connector Market 2016

Industrial IoT: Smart Cities Connector Market 2017E



Industrial IoT: Smart Cities Connector Market 2021F

CHAPTER 6 – STATISTICAL OVERVIEW CONNECTOR USAGE 2015 – 2017E & 2021F

6.1 Industrial IoT Market for Connectors 2015-2021F

Industrial IoT Market for Connectors 2015

Industrial IoT Market for Connectors 2016

Industrial IoT Market for Connectors 2017E

Industrial IoT Market for Connectors 2021F

Industrial IoT Market for Connectors Growth Rates 2015-2021F

Industrial IoT Market for Connectors Market Share by Region 2015-2021F

Industrial IoT Market for Connectors Market Share by Region 2016 and 2021F

6.2 Industrial IoT Smart Factory Market for Connectors 2015-2021F

Industrial IoT Smart Factory Market for Connectors 2015

Industrial IoT Smart Factory Market for Connectors 2016

Industrial IoT Smart Factory Market for Connectors 2017E

Industrial IoT Smart Factory Market for Connectors 2021F

Industrial IoT Smart Factory Market for Connectors Growth Rates 2015-2021F

Industrial IoT Smart Factory Market for Connectors Market Share by Region

2015-2021F

Industrial IoT Smart Factory Market for Connectors Market Share by Region 2016 and 2021F

6.3 Industrial IoT Smart Grid Market for Connectors 2015-2021F

Industrial IoT Smart Grid Market for Connectors 2015

Industrial IoT Smart Grid Market for Connectors 2016

Industrial IoT Smart Grid Market for Connectors 2017E

Industrial IoT Smart Grid Market for Connectors 2021F

Industrial IoT Smart Grid Market for Connectors Growth Rates 2015-2021F

Industrial IoT Smart Grid Market for Connectors Market Share by Region 2015-2021F

Industrial IoT Smart Grid Market for Connectors Market Share by Region 2016 and 2021F

6.4 Industrial IoT Smart City Market for Connectors 2015-2021F

Industrial IoT Smart City Market for Connectors 2015

Industrial IoT Smart City Market for Connectors 2016

Industrial IoT Smart City Market for Connectors 2017E

Industrial IoT Smart City Market for Connectors 2021F

Industrial IoT Smart City Market for Connectors Growth Rates 2015-2021F

Industrial IoT Smart City Market for Connectors Market Share by Region 2015-2021F



Industrial IoT Smart City Market for Connectors Market Share by Region 2016 and 2021F

6.5 Conclusion

Predicted Number of Connected Devices in the IoT
Industrial IoT Market for Connectors by Sector 2015, 2016, 2017E and 2021F
Industrial IoT Market for Connectors Share by Region 2015, 2016, 2017E and 2021F
Industrial IoT Market for Connectors Share Growth Rates 2016, 2017E and 2021 CAGR



I would like to order

Product name: Digital Transformation - Industrial IoT and the Connector Market

Product link: https://marketpublishers.com/r/DA28A685D4BEN.html

Price: US\$ 3,950.00 (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/DA28A685D4BEN.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