

PXI SMU Market by Channel (1, 2, 4, >4) Application (Semiconductor, Sensor, LED, Green Energy Product, Nanomaterial, Organic & Printed Electronics), End-User (Aerospace, Defense & Government Service, IT & Telecommunication), Region - Global forecast to 2024

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Abstracts

“The PXI SMU market is projected to grow at a CAGR of 16.5% from 2019 to 2024.”

The global PXI SMU market size is projected to reach USD 267 million by 2024, from an estimated value of USD 124 million in 2019, growing at a CAGR of 16.5% during the forecast period. A PXI source measure unit is multi-function equipment that combines functions of a digital multimeter (DMM), power supply, current source, electronic load, and pulse generator, all in a compact form factor.

PXI SMU market growth is directly proportional to the development of the testing & measurement markets, which are influenced by expanding research & development activities, inclination towards semiconductor & batteries testing in the IoT devices, and the trend of testing & measurement becoming an integral factor for meeting safety compliance standards.

“The above 4 channel applications segment is expected to grow at the highest CAGR from 2019 to 2024.”

12 and 24 channels count are considered as the above 4 channel segment. These are high-density PXI SMUs and are used explicitly for 5G applications. High-density PXI SMU provides six times more DC channel density than 1 and 4 channel PXI SMUs for testing RF, MEMS, and mixed-signal and other analog semiconductor components. Also, it is a low-cost way to increase the channel count of expensive instrumentation

while increasing the flexibility and repeatability of test measurements. The above 4 channel PXI SMU segment is expected to grow at the highest CAGR in the PXI SMU market during the forecast period.

“IT & telecommunication: The largest end-user for PXI SMU”

The increasing use of smartphones is continuously creating opportunities for the telecom sub-sectors, including wireless broadband carriers, network equipment companies, and device manufacturers. Also, the successful trials of 5G networks across regions such as North America, Europe and some countries in Asia Pacific will continue to fuel the growth of the telecom & IT sector. Drive-testing plays an essential role in creating and maintaining a strong GSM network. In the mobile communication system, drive testing should be used to collect real-time RF information from the field. This is where PXI SMUs come into play as these are high speed and accurate functioning source measure units that can help in producing real-time information.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as assess future prospects of the PXI SMU market. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 60%, Tier 2- 25%, Tier 3- 15%

By Designation: C-Level Executive- 35%, Director Level- 25%, Others- 40%

By Region: Europe- 35%, North America- 25%, Asia Pacific- 20%, Middle East & Africa- 15%, and South America- 5%

Note: Others* include sales managers, engineers, and regional managers.

Note: Tier 1 Company—Revenue > USD 1 billion, Tier 2 Company—Revenue between USD 500 million and USD 1 billion, and Tier 3 Company—Revenue

The key players operating in the PXI SMU market include National Instruments (US), Keysight Technologies (US), Chroma ATE (Taiwan), VX Instruments (Germany), Marvin Test Solutions (US), and LitePoint a Teradyne Company (US).

Research Coverage:

The report provides a picture of the PXI SMU market and its segments across industries and regions. It aims at estimating the market size and future growth potential of the market across different segments such as channel, application, end-user, and region. Furthermore, the report includes an in-depth competitive analysis of the key players in the market, along with their company profiles, recent developments, and key market strategies.

Why buy this report?

1. The report identifies and addresses the key markets for PXI SMU, which would help OEMs review the growth in demand for the product.
2. The report helps solutions providers understand the pulse of the market and provides insight into drivers, restraints, and challenges.
3. The report will help key players understand the strategies of their competitors better and will help in making strategic decisions.

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 DEFINITION

1.2.1 PXI SMU MARKET, BY APPLICATION: INCLUSIONS VS. EXCLUSIONS

1.3 MARKET SCOPE

1.3.1 MARKET SEGMENTATION

1.3.2 REGIONS COVERED

1.3.3 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY

1.5 LIMITATION

1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Breakdown of primaries

2.2 SCOPE

2.3 MARKET SIZE ESTIMATION

2.3.1 SUPPLY-SIDE ANALYSIS

2.3.1.1 Assumptions

2.3.1.1.1 Key Primary Insights

2.3.1.2 Calculation

2.3.2 DEMAND ANALYSIS

2.3.2.1 Key parameters / trends

2.3.3 FORECAST

2.4 MARKET BREAKDOWN AND DATA TRIANGULATION

2.5 PRIMARY INSIGHTS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN THE PXI SMU MARKET DURING THE FORECAST PERIOD

4.2 PXI SMU MARKET, BY CHANNEL

4.3 PXI SMU MARKET, BY APPLICATION

4.4 PXI SMU MARKET, BY END-USER

4.5 PXI SMU MARKET, BY REGION

4.6 ASIA PACIFIC PXI SMU MARKET, BY APPLICATION & COUNTRY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Growing research & development activities across industries create demand for PXI SMUs

5.2.1.2 Demand for high resolution modular source measure units for critical applications

5.2.1.3 Rising demand for reliability tests for complex semiconductors and batteries to complement the increasing IoT devices

5.2.2 RESTRAINTS

5.2.2.1 High availability of cheaper substitutes such as power supplies and digital multi-meters

5.2.3 OPPORTUNITIES

5.2.3.1 Rapid development of wireless technology brings opportunities for PXI SMUs

5.2.3.2 Increasing demand for compact and high-density SMUs

5.2.4 CHALLENGES

5.2.4.1 Higher demand from rental and leasing services affecting sales of PXI and PXIe SMUs

6 PXI SMU MARKET, BY CHANNEL

6.1 INTRODUCTION

6.2 1 CHANNEL

6.2.1 COMPACT SIZE AND COST-EFFECTIVENESS OF 1 CHANNEL PXI SMU DRIVE DEMAND FOR THE SEGMENT

6.3 2 CHANNEL

6.3.1 HIGHER PRECISION TESTING OFFERED BY 2 CHANNEL PXI SMUS DRIVES MARKET GROWTH

6.4 4 CHANNEL

6.4.1 HIGHER DEMAND FOR BUILDING PARALLEL SMU TEST SYSTEMS DRIVES DEMAND FOR 4 CHANNEL PXI SMUS

6.5 ABOVE 4

6.5.1 INCREASING DEMAND FOR FLEXIBLE PXI SMUS FOR TESTING EXPENSIVE INSTRUMENTATION DRIVES DEMAND FOR ABOVE 4 CHANNEL SEGMENT

7 PXI SMU MARKET, BY APPLICATION

7.1 INTRODUCTION

7.2 SEMICONDUCTORS

7.2.1 INCREASED MANUFACTURING OF SEMICONDUCTORS TO MEET DEMAND FROM END-USE INDUSTRIES DRIVES DEMAND FOR PXI SMUS

7.3 LED

7.3.1 HIGHER PRECISION OFFERED BY PXI SMU IN LED TESTING DRIVES MARKET GROWTH

7.4 SENSORS

7.4.1 HIGH RELIABILITY AND PARAMETRIC TESTS REQUIRED FOR SENSORS DRIVE DEMAND FOR PXI SMUS

7.5 GREEN ENERGY PRODUCTS

7.5.1 GROWING DEMAND FOR SOLAR PANELS AND BATTERIES LIKELY TO BOOST DEMAND FOR PXI SMUS

7.6 NANOMATERIALS

7.6.1 HIGHER ADOPTION OF NANOTECHNOLOGY IN AUTOMOTIVE AND MEDICAL EQUIPMENT MANUFACTURING DRIVES THE PXI SMU MARKET

7.7 ORGANIC AND PRINTED ELECTRONICS

7.7.1 DEMAND FOR PRECISION ORGANIC ELECTRONICS FOR SUSTAINABLE MANUFACTURING IS EXPECTED TO DRIVE PXI SMU MARKET

8 PXI SMU MARKET, BY END-USER

8.1 INTRODUCTION

8.2 AEROSPACE, DEFENSE & GOVERNMENT SERVICE

8.2.1 HIGH TEST STANDARDS FOR AEROSPACE AND DEFENSE CREATE DEMAND FOR PXI SOURCE MEASURE UNITS

8.3 AUTOMOTIVE

8.3.1 INCREASING EMC STANDARDS FOR TESTING AND VALIDATION OF ELECTRIC AND ELECTRONIC VEHICLE COMPONENTS DRIVES DEMAND FOR PXI SMUS

8.4 ENERGY

8.4.1 INCREASED MANUFACTURING OF SOLAR PRODUCTS AND GREEN PRODUCTS IS LIKELY TO DRIVE PXI SMU MARKET

8.5 IT & TELECOMMUNICATION

8.5.1 HIGH DEMAND FOR DESIGNING AND TESTING OF WIRELESS EQUIPMENT DRIVES DEMAND FOR HIGH DENSITY PXI SMUS

8.6 CONSUMER ELECTRONICS

8.6.1 INCREASING ELECTRONIC PRODUCT MANUFACTURING CREATES DEMAND FOR PXI SMUS

8.7 MEDICAL EQUIPMENT

8.7.1 STRICT GENERAL CONTROLS AND PROCEDURAL REGULATIONS FOR MEDICAL DEVICE TESTING IS DRIVING DEMAND FOR PXI SMUS MEDICAL EQUIPMENT

9 PXI SMU MARKET, BY REGION

9.1 INTRODUCTION

9.2 ASIA PACIFIC

9.2.1 BY CHANNEL

9.2.2 BY APPLICATION

9.2.3 BY END-USER

9.2.3.1 End-User by Country

9.2.4 BY COUNTRY

9.2.5 CHINA

9.2.5.1 Investments in digital infrastructure, and widespread 4G and 5G connectivity are enabling the high demand for the PXI SMU market

9.2.6 INDIA

9.2.6.1 High investments in telecom & IT sector fueling growth of PXI SMU market

9.2.7 AUSTRALIA

9.2.7.1 Automotive industry transitioning toward automation is driving the demand for PXI SMUs

9.2.8 JAPAN

9.2.8.1 Significant impact of IoT across end-use industries is likely to bring opportunities for PXI SMU market

9.2.9 SOUTH KOREA

9.2.9.1 Increasing manufacturing of electronics and automobiles in South Korea drives the market for PXI smus

9.2.10 REST OF ASIA PACIFIC

9.3 NORTH AMERICA

9.3.1 BY CHANNEL

9.3.2 BY APPLICATION

9.3.3 BY END-USER

9.3.3.1 End-User by Country

9.3.4 BY COUNTRY

9.3.4.1 US

9.3.4.1.1 Increasing adoption of modular high channel density SMUs for testing critical aerospace applications is driving PXI SMU market

9.3.4.2 Canada

9.3.4.2.1 Optimum utilization of power components and ongoing developments in industries likely to boost PXI SMU market

9.3.4.3 Mexico

9.3.4.3.1 Rising investments in 4G network adoption are attracting opportunities for PXI SMUs

9.4 EUROPE

9.4.1 BY CHANNEL

9.4.2 BY APPLICATION

9.4.3 BY END-USER

9.4.3.1 End-User by Country

9.4.4 BY COUNTRY

9.4.4.1 UK

9.4.4.1.1 Government's plan to increase digital connectivity creates demand for modular PXI SMUs

9.4.4.2 France

9.4.4.2.1 High demand for testing equipment from the aerospace & defense sector is driving PXI SMU market

9.4.4.3 Germany

9.4.4.3.1 Increasing adoption of digital technologies in medical equipment and automotive sectors is likely to drive demand for PXI SMUs

9.4.4.4 Italy

9.4.4.4.1 High demand for from medical equipment manufacturing and consumer electronics industries is driving PXI SMU market

9.4.4.5 Spain

9.4.4.5.1 High demand for testing equipment from the aerospace & defense sector is driving PXI SMU market

9.4.4.6 Russia

9.4.4.6.1 Growing automotive and telecommunication sector drives demand for PXI SMUs

9.4.4.7 Rest of Europe

9.5 MIDDLE EAST & AFRICA

9.5.1 BY CHANNEL

9.5.2 BY APPLICATION

9.5.3 BY END-USER

9.5.3.1 End-User by Sub-Region

9.5.4 BY SUB-REGION

9.5.4.1 Middle East

9.5.4.1.1 Rising demand from IT & telecommunication sector is driving demand for PXI SMUs

9.5.4.2 Africa

9.5.4.2.1 Emphasis on industrialization likely to boost demand for PXI SMU market

9.6 SOUTH AMERICA

9.6.1 BY CHANNEL

9.6.2 BY APPLICATION

9.6.3 BY END-USER

9.6.3.1 End-User by Country

9.6.4 BY COUNTRY

9.6.4.1 Brazil

9.6.4.1.1 Booming automotive manufacturing is likely to boost PXI SMU market

9.6.4.2 Argentina

9.6.4.2.1 Rising investments in telecom sector is major driver for PXI SMUs market

9.6.4.3 Chile

9.6.4.3.1 Plans to reduce the digital gap and promote competition and quality of services expected to increase demand for PXI SMUs

10 COMPETITIVE LANDSCAPE

10.1 OVERVIEW

10.2 RANKING OF PLAYERS

10.3 COMPETITIVE SCENARIO

10.3.1 NEW PRODUCT LAUNCHES

11 COMPANY PROFILE

(Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View)*

11.1 ORIGINAL EQUIPMENT MANUFACTURER

11.1.1 KEYSIGHT TECHNOLOGIES

11.1.2 NATIONAL INSTRUMENTS

- 11.1.3 CHROMA ATE
- 11.1.4 MARVIN TEST SOLUTIONS
- 11.1.5 LITEPOINT, A TERADYNE COMPANY
- 11.1.6 VX INSTRUMENTS GMBH
- 11.2 PXI/PXIE CHASSIS PROVIDERS
 - 11.2.1 VIRGINIA PANEL CORPORATION
- 11.3 PXI/PXIE SOURCE MEASURE UNIT DISTRIBUTORS
 - 11.3.1 ARTISAN TECHNOLOGY GROUP
 - 11.3.2 APEX WAVES
 - 11.3.3 TEST DYNAMICS
 - 11.3.4 YOTTA VOLT
 - 11.3.5 CREZON TECHNOLOGY
 - 11.3.6 VIGVEN
 - 11.3.7 ACQUITEK

*Details on Business Overview, Products & Services, Key Insights, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

12 APPENDIX

- 12.1 INSIGHTS OF INDUSTRY EXPERTS
- 12.2 DISCUSSION GUIDE
- 12.1 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 12.2 AVAILABLE CUSTOMIZATIONS
- 12.3 RELATED REPORTS
- 12.4 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 PXI SMU MARKET: PLAYERS/COMPANIES CONNECTED

TABLE 2 PXI SMU MARKET: INDUSTRY / COUNTRY ANALYSIS

TABLE 3 PXI SMU MARKET SNAPSHOT

TABLE 4 PXI SMU MARKET SIZE, BY CHANNEL, 2017–2024 (USD THOUSAND)

TABLE 5 1 CHANNEL: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 6 2 CHANNEL: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 7 4 CHANNEL: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 8 ABOVE 4: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 9 PXI SMU MARKET SIZE, BY APPLICATION, 2017–2024 (USD THOUSAND)

TABLE 10 SEMICONDUCTORS: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 11 LED: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 12 SENSORS: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 13 GREEN ENERGY PRODUCTS: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 14 NANOMATERIALS: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 15 ORGANIC AND PRINTED ELECTRONICS: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 16 PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 17 AEROSPACE, DEFENSE & GOVERNMENT SERVICE: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 18 AEROSPACE, DEFENSE & GOVERNMENT SERVICE: PXI SMU MARKET SIZE, FASTEST GROWING COUNTRIES, 2017–2024 (USD THOUSAND)

TABLE 19 AUTOMOTIVE: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 20 AUTOMOTIVE: PXI SMU MARKET SIZE, FASTEST GROWING COUNTRIES, 2017–2024 (USD THOUSAND)

TABLE 21 ENERGY: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 22 ENERGY: PXI SMU MARKET SIZE, FASTEST GROWING COUNTRIES, 2017–2024 (USD THOUSAND)

TABLE 23 IT & TELECOMMUNICATION: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 24 IT & TELECOMMUNICATION: PXI SMU MARKET SIZE, FASTEST GROWING COUNTRIES, 2017–2024 (USD THOUSAND)

TABLE 25 CONSUMER ELECTRONICS: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 26 CONSUMER ELECTRONICS: PXI SMU MARKET SIZE, FASTEST GROWING COUNTRIES, 2017–2024 (USD THOUSAND)

TABLE 27 MEDICAL EQUIPMENT: PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 28 MEDICAL EQUIPMENT: PXI SMU MARKET SIZE, FASTEST GROWING COUNTRIES, 2017–2024 (USD THOUSAND)

TABLE 29 PXI SMU MARKET SIZE, BY REGION, 2017–2024 (USD THOUSAND)

TABLE 30 PXI SMU MARKET SIZE, FASTEST GROWING COUNTRIES, 2017–2024 (USD THOUSAND)

TABLE 31 ASIA PACIFIC: PXI SMU MARKET SIZE, BY CHANNEL, 2017–2024 (USD THOUSAND)

TABLE 32 ASIA PACIFIC: PXI SMU MARKET SIZE, BY APPLICATION, 2017–2024 (USD THOUSAND)

TABLE 33 ASIA PACIFIC: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 34 ASIA PACIFIC: AEROSPACE, DEFENSE & GOVERNMENT SERVICE PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 35 ASIA PACIFIC: AUTOMOTIVE PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 36 ASIA PACIFIC: ENERGY PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 37 ASIA PACIFIC: IT & TELECOMMUNICATION PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 38 ASIA PACIFIC: CONSUMER ELECTRONICS PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 39 ASIA PACIFIC: MEDICAL EQUIPMENT PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 40 ASIA PACIFIC: PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 41 CHINA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 42 INDIA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 43 AUSTRALIA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 44 JAPAN: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 45 SOUTH KOREA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 46 REST OF ASIA PACIFIC: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 47 NORTH AMERICA: PXI SMU MARKET SIZE, BY CHANNEL, 2017–2024 (USD THOUSAND)

TABLE 48 NORTH AMERICA: PXI SMU MARKET SIZE, BY APPLICATION, 2017–2024 (USD THOUSAND)

TABLE 49 NORTH AMERICA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 50 NORTH AMERICA: AEROSPACE, DEFENSE & GOVERNMENT SERVICE PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 51 NORTH AMERICA: AUTOMOTIVE PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 52 NORTH AMERICA: ENERGY PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 53 NORTH AMERICA: IT & TELECOMMUNICATION PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 54 NORTH AMERICA: CONSUMER ELECTRONICS PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 55 NORTH AMERICA: MEDICAL EQUIPMENT PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 56 NORTH AMERICA: PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 57 US: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 58 CANADA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 59 MEXICO: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 60 EUROPE: PXI SMU MARKET SIZE, BY CHANNEL, 2017–2024 (USD THOUSAND)

TABLE 61 EUROPE: PXI SMU MARKET SIZE, BY APPLICATION, 2017–2024 (USD THOUSAND)

THOUSAND)

TABLE 62 EUROPE: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 63 EUROPE: AEROSPACE, DEFENSE & GOVERNMENT SERVICE PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 64 EUROPE: AUTOMOTIVE, PXI SMU MARKET SIZE, BY COUNTRY

2017–2024 (USD THOUSAND)

TABLE 65 EUROPE: ENERGY, PXI SMU MARKET SIZE, BY COUNTRY

2017–2024 (USD THOUSAND)

TABLE 66 EUROPE: IT & TELECOMMUNICATION PXI SMU MARKET SIZE, BY COUNTRY, 2017 –2024 (USD THOUSAND)

TABLE 67 EUROPE: CONSUMER ELECTRONICS PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 68 EUROPE: MEDICAL EQUIPMENT PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 69 EUROPE: PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 70 UK: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 71 FRANCE: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 72 GERMANY: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 73 ITALY: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 74 SPAIN: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 75 RUSSIA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 76 REST OF EUROPE: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 77 MIDDLE EAST & AFRICA: PXI SMU MARKET SIZE, BY CHANNEL, 2017–2024 (USD THOUSAND)

TABLE 78 MIDDLE EAST & AFRICA: PXI SMU MARKET SIZE, BY APPLICATION, 2017–2024 (USD THOUSAND)

TABLE 79 MIDDLE EAST & AFRICA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 80 MIDDLE EAST & AFRICA: AEROSPACE, DEFENSE & GOVERNMENT SERVICE PXI SMU MARKET SIZE, BY SUB-REGION, 2017–2024 (USD THOUSAND)

TABLE 81 MIDDLE EAST & AFRICA: AUTOMOTIVE PXI SMU MARKET SIZE, BY SUB-REGION, 2017–2024 (USD THOUSAND)

TABLE 82 MIDDLE EAST & AFRICA: ENERGY PXI SMU MARKET SIZE, BY SUB-REGION, 2017–2024 (USD THOUSAND)

TABLE 83 MIDDLE EAST & AFRICA: IT & TELECOMMUNICATION PXI SMU MARKET SIZE, BY SUB-REGION, 2017–2024 (USD THOUSAND)

TABLE 84 MIDDLE EAST & AFRICA: CONSUMER ELECTRONICS PXI SMU MARKET SIZE, BY SUB-REGION, 2017–2024 (USD THOUSAND)

TABLE 85 MIDDLE EAST & AFRICA: MEDICAL EQUIPMENT PXI SMU MARKET SIZE, BY SUB-REGION, 2017–2024 (USD THOUSAND)

TABLE 86 MIDDLE EAST & AFRICA: PXI SMU MARKET SIZE, BY SUB-REGION, 2017–2024 (USD THOUSAND)

TABLE 87 MIDDLE EAST: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 88 AFRICA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 89 SOUTH AMERICA: PXI SMU MARKET SIZE, BY CHANNEL, 2017–2024 (USD THOUSAND)

TABLE 90 SOUTH AMERICA: PXI SMU MARKET SIZE, BY APPLICATION, 2017–2024 (USD THOUSAND)

TABLE 91 SOUTH AMERICA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 92 SOUTH AMERICA: AEROSPACE, DEFENSE & GOVERNMENT SERVICE PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 93 SOUTH AMERICA: AUTOMOTIVE PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 94 SOUTH AMERICA: ENERGY PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 95 SOUTH AMERICA: IT & TELECOMMUNICATION PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 96 SOUTH AMERICA: CONSUMER ELECTRONICS PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 97 SOUTH AMERICA: MEDICAL EQUIPMENT PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024 (USD THOUSAND)

TABLE 98 SOUTH AMERICA: PXI SMU MARKET SIZE, BY COUNTRY, 2017–2024

(USD THOUSAND)

TABLE 99 BRAZIL: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 100 ARGENTINA: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

TABLE 101 CHILE: PXI SMU MARKET SIZE, BY END-USER, 2017–2024 (USD THOUSAND)

List Of Figures

LIST OF FIGURES

FIGURE 1 PXI SMU MARKET: RESEARCH DESIGN

FIGURE 2 RESEARCH METHODOLOGY: ILLUSTRATION OF PXI SMU COMPANY REVENUE ESTIMATION (2018)

FIGURE 3 RANKING OF KEY PLAYERS, 2018

FIGURE 4 DATA TRIANGULATION METHODOLOGY

FIGURE 5 KEY SERVICE PROVIDERS' POINT OF VIEW

FIGURE 6 ASIA PACIFIC DOMINATED THE PXI SMU MARKET IN 2018

FIGURE 7 ABOVE 4 CHANNEL SEGMENT IS EXPECTED TO WITNESS HIGHEST CAGR DURING THE FORECAST PERIOD

FIGURE 8 SEMICONDUCTOR SEGMENT IS EXPECTED TO LEAD THE PXI SMU MARKET, BY APPLICATION, DURING THE FORECAST PERIOD

FIGURE 9 IT & TELECOMMUNICATION SEGMENT IS EXPECTED TO LEAD THE PXI SMU MARKET, BY END-USER, DURING THE FORECAST PERIOD

FIGURE 10 INVESTMENTS IN RESEARCH & DEVELOPMENT AND EQUIPMENT TESTING AND HIGH DEMAND FOR MODULAR SOURCE MEASURE UNITS IS DRIVING THE PXI SMU MARKET, 2019–2024

FIGURE 11 1 CHANNEL SEGMENT DOMINATED THE PXI SMU MARKET, BY CHANNEL, IN 2018

FIGURE 12 SEMICONDUCTOR SEGMENT IS EXPECTED TO DOMINATE THE PXI SMU MARKET BY APPLICATION, DURING THE FORECAST PERIOD

FIGURE 13 IT & TELECOMMUNICATIONS SEGMENT DOMINATED THE PXI SMU MARKET IN 2018

FIGURE 14 NORTH AMERICA IS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

FIGURE 15 SEMICONDUCTOR SEGMENT AND CHINA DOMINATED THE ASIA PACIFIC PXI SMU MARKET IN 2018

FIGURE 16 PXI SMU MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES & CHALLENGES

FIGURE 17 R&D SPENDING BY COUNTRY IN 2018 (USD MILLION)

FIGURE 18 PXI SMUS VERSUS TRADITIONAL STANDALONE SMUS

FIGURE 19 IOT DEVICES CONNECTIVITY TREND

FIGURE 20 1 CHANNEL SEGMENT IS EXPECTED TO DOMINATE THE PXI SMU MARKET DURING THE FORECAST PERIOD

FIGURE 21 SEMICONDUCTORS SEGMENT DOMINATED THE PXI SMU MARKET IN 2018

FIGURE 22 IT & TELECOMMUNICATION END-USER INDUSTRY DOMINATED THE PXI SMU MARKET IN 2018

FIGURE 23 RENEWABLE SECTOR DOMINATED THE OVERALL POWER SECTOR INVESTMENTS IN 2018

FIGURE 24 CHINA IS EXPECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

FIGURE 25 ASIA PACIFIC IS EXPECTED TO DOMINATE THE PXI SMU MARKET DURING THE FORECAST PERIOD

FIGURE 26 REGIONAL SNAPSHOT: ASIA PACIFIC PXI SMU MARKET IN 2018

FIGURE 27 REGIONAL SNAPSHOT: NORTH AMERICA PXI SMU MARKET IN 2018

FIGURE 28 GERMANY DOMINATED THE EUROPEAN PXI SMU MARKET IN 2018

FIGURE 29 RANKING OF KEY PLAYERS, 2018

FIGURE 30 KEYSIGHT TECHNOLOGIES: COMPANY SNAPSHOT

FIGURE 31 NATIONAL INSTRUMENTS: COMPANY SNAPSHOT

FIGURE 32 CHROMA ATE: COMPANY SNAPSHOT

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