

Ethernet Connector and Transformer Market by Connector Type (RJ45, M12, M8, iX), Connector Application, Transmission Speed (10Base-T, 100Base-T, GigabitBase-T, 10GBase-T), Transformer Application and Region - Global Forecast to 2028

<https://marketpublishers.com/r/E1AD50ABBF33EN.html>

Date: January 2023

Pages: 198

Price: US\$ 4,950.00 (Single User License)

ID: E1AD50ABBF33EN

Abstracts

The global Ethernet connector & transformers market is estimated to be valued at USD 940 million in 2023 and is expected to reach USD 1,294 million by 2028, at a CAGR of 6.6% from 2023 to 2028. Standardization of the high-bandwidth Ethernet allows developers of connected cars and IoT applications to develop advanced applications that require high bandwidth. The proliferation of such applications is expected to increase the demand for high bandwidth connectivity for computer systems within the vehicle. In 2015, the Institute of Electrical and Electronics Engineers (IEEE) set the 100Base-T1 physical layer standard for high-speed 100 Mbps Ethernet. It creates a significant opportunity for application developers. It also affects the vehicle's functional design and supports real-time connectivity with the outside world. Connection to the outside world in connected cars gives more flexibility to the user in terms of choosing applications from third-party application providers, OEMs, or partners.

Over the past few decades, CAN, LIN, FlexRay, and Radio Frequency (RF) dominate the in-vehicle connectivity industry. Automotive OEMs and Tier 1 suppliers are prevalent in using traditional technologies for the in-car network. These are low-profile protocols and offer end-to-end connectivity for ECUs in the car. Some technologies, such as MOST and FlexRay, were designed to support new application areas, including infotainment systems and ADAS. However, technologies cannot resolve the issue of high bandwidth and low latency for infotainment applications. Hence, car manufacturers have embraced Ethernet technology to fulfill the growing demand for bandwidth and reliable connectivity. Despite all these benefits, it is difficult for car manufacturers to

migrate to Ethernet from traditional in-vehicle technologies due to the complexities involved in in-car infrastructure. However, the increasing emergence of connected cars and EVs can offer new opportunities for Ethernet connector and transformer market growth.

“100Base-T: The largest segment for transmission speed in Ethernet transformer market”

100Base-T1 is a viable solution for growing bandwidth demands at 100 Mbps communication speeds over an unshielded twisted-pair (UTP) cable. The new 100Base-T1 can communicate audio, video, connected car, firmware/software, and calibration data within vehicles using the audio video bridging (AVB) collection of Ethernet protocols over a UTP cable. Key companies offering 100Base-T Ethernet transformers include Bourns, Inc., Abracon, HALO Electronics, and Pulse Electronics. In November 2022, Taoglas, a leading provider of advanced components for a smarter world, launched a LAN transformer that supports 10/100Base-T transmission speed and industrial grade temperatures and PoE++ switches with up to 100 watts (W) of power, ideal for IoT and industrial applications. Also, in September 2021, Bourns, Inc. launched a single-port 10/100Base-T LAN transformer with an operating temperature range of -40 to +125°C containing common mode chokes for noise rejection in Ethernet/data communication applications.

“Router: Largest application of Ethernet transformer market”

Ethernet transformers are key components used in LAN interfaces. The transformer transmits pulse signals at high speed and can carry out other functions, such as insulation and isolation. Companies offering Ethernet transformers to integrate into routers include Bourns, Inc., Würth Elektronik, Bel Fuse, TDK Corp., and Halo Electronics. In October 2022, Bourns introduced the Power over Ethernet (PoE) Transformer Series. PoE Series transformers are designed to work with many flyback controllers and are optimized for voltage and circuit isolation in various applications, such as Voice over Internet Protocol (VoIP) phones, wireless local area network (WLAN) APs, security IP cameras, routers, and gateways.

“US: The fastest growing country in North American Ethernet connector & transformer market”

The US is one of the major countries in North America in terms of contribution to the overall economy of the region. The US invests extensively in research and development

to provide the latest devices and solutions to its customers and maintain its competitiveness in the global market. The large industrial base and high production capacity in the US offer improved quality products through optimum utilization of resources, thereby leading to increased investments in highly advanced technologies. The rise in the adoption of Ethernet in the US is mainly attributed to the high concentration of large-scale industries and high production capacities of industries.

The study contains insights from various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type: Tier 1 – 40%, Tier 2 – 25%, and Tier 3 – 35%

By Designation: C-level Executives – 35%, Directors – 28%, and Others – 37%

By Region: APAC – 45%, North America – 30%, Europe – 20%, RoW – 5%

The key players operating in the Ethernet connector & transformers market are TDK Corporation (Japan), TE Connectivity (Switzerland), Eaton Corporation (Ireland), Belden Inc (US), Rockwell Automation (US), Amphenol Corporation (US), Bel Fuse Inc. (US), Bourns, Inc. (US), Abracon (US), TT Electronics (UK), Schneider Electric (France), W?rth Elektronik GmbH & Co. KG (Germany), HALO Electronics (US), Pulse Electronics (US), Taimag Corporation (China), LINK-PP (China), Shareway Technology Co., Ltd. (China), Mentech Technology (US), Weidm?ller Holding AG & Co. KG (Germany), ifm electronic (India), Neutrik (Liechtenstein), Keystone Electronics Corp. (US), Molex (US), HARTING Technology Group (Germany), K?bler Group (Germany), and Lapp Holding (Germany).

Research Coverage:

The report segments the Ethernet connector & transformer market and forecasts its size, by value, based on by connector type, connector application, transmission speed, transformer application, and region.

The report also provides a comprehensive review of market drivers, restraints, opportunities, and challenges in the Ethernet connector & transformer market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets.

Key Benefits of Buying the Report

The report will help the leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market and the sub-segments. This report will help stakeholders and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the Ethernet connector & transformer market and provides them with information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 ETHERNET CONNECTOR AND TRANSFORMER MARKET SEGMENTATION

1.3.2 GEOGRAPHIC SCOPE

1.3.3 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

1.5 UNITS CONSIDERED

1.6 STAKEHOLDERS

1.7 RECESSION IMPACT ANALYSIS

2 RESEARCH METHODOLOGY

2.1 INTRODUCTION

FIGURE 2 ETHERNET CONNECTOR AND TRANSFORMER MARKET: RESEARCH DESIGN

2.1.1 SECONDARY AND PRIMARY RESEARCH

2.1.2 SECONDARY DATA

2.1.2.1 List of major secondary sources

2.1.2.2 Key data from secondary sources

2.1.3 PRIMARY DATA

2.1.3.1 List of key primary interview participants

2.1.3.2 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: SUPPLY-SIDE ANALYSIS FOR ETHERNET CONNECTOR MARKET

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: SUPPLY-SIDE ANALYSIS FOR ETHERNET TRANSFORMER MARKET

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 2 (SUPPLY SIDE)—IDENTIFICATION OF REVENUE GENERATED BY COMPANIES FROM SELLING ETHERNET CONNECTORS AND TRANSFORMERS

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach to obtain market size using bottom-up analysis

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

2.2.2.1 Approach to obtain market size using top-down analysis

FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.3 DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION: ETHERNET CONNECTOR AND TRANSFORMER MARKET

2.4 RESEARCH ASSUMPTIONS AND LIMITATIONS

TABLE 1 RESEARCH ASSUMPTIONS

2.4.1 RESEARCH LIMITATIONS

2.4.2 PARAMETERS CONSIDERED TO ANALYZE IMPACT OF RECESSION

2.4.3 RISK ASSESSMENT

TABLE 2 LIMITATIONS AND ASSOCIATED RISKS

3 EXECUTIVE SUMMARY

3.1 IMPACT OF RECESSION ON GLOBAL MARKET

FIGURE 9 GDP GROWTH PROJECTIONS TILL 2023 FOR MAJOR ECONOMIES (%)

FIGURE 10 REVENUE PROJECTIONS IN ETHERNET CONNECTOR AND TRANSFORMER MARKET

3.2 GROWTH RATE ASSUMPTIONS/FORECAST

FIGURE 11 RJ45 CONNECTOR SEGMENT TO HOLD LARGEST SHARE OF ETHERNET CONNECTOR MARKET, BY TYPE, IN 2028

FIGURE 12 INDUSTRIAL AUTOMATION EQUIPMENT SEGMENT TO HOLD LARGEST SHARE OF ETHERNET CONNECTOR MARKET, BY APPLICATION, IN 2028

FIGURE 13 100BASE-T SEGMENT TO CAPTURE LARGEST SHARE OF ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, IN 2028

FIGURE 14 ROUTERS TO HOLD LARGEST SHARE OF ETHERNET TRANSFORMER MARKET, BY APPLICATION, IN 2028

FIGURE 15 ETHERNET CONNECTOR AND TRANSFORMER MARKET IN ASIA PACIFIC TO GROW AT HIGHEST CAGR FROM 2023 TO 2028

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN ETHERNET CONNECTOR AND TRANSFORMER MARKET

FIGURE 16 RISING USE OF ETHERNET TECHNOLOGY BY AUTOMOBILE

COMPANIES TO DRIVE ETHERNET CONNECTOR AND TRANSFORMER MARKET

4.2 NORTH AMERICAN MARKET, BY COUNTRY AND CONNECTOR TYPE

FIGURE 17 US AND RJ45 CONNECTOR TO HOLD LARGEST SHARE OF NORTH AMERICAN MARKET IN 2023

4.3 ETHERNET CONNECTOR MARKET FOR RJ45 CONNECTORS, BY APPLICATION

FIGURE 18 WLAN ACCESS EQUIPMENT TO HOLD LARGEST SHARE OF ETHERNET CONNECTOR MARKET FOR RJ45 CONNECTORS THROUGHOUT FORECAST PERIOD

4.4 ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY COUNTRY

FIGURE 19 ETHERNET CONNECTOR AND TRANSFORMER MARKET IN CHINA TO GROW AT HIGHEST CAGR FROM 2023 TO 2028

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 20 ETHERNET TRANSFORMER AND CONNECTOR MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 High demand for Ethernet technology by automobile manufacturers

5.2.1.2 Strong initiatives by governments of developing countries to adopt industrial automation

5.2.1.3 Increased demand for cloud services

5.2.1.4 Growing need for scalable, faster, reliable communication protocols

FIGURE 21 IMPACT OF DRIVERS ON ETHERNET CONNECTOR AND TRANSFORMER MARKET

5.2.2 RESTRAINTS

5.2.2.1 Absence of standardized industrial communication protocols and interfaces

5.2.2.2 Difficulty in migrating from traditional in-vehicle connectivity technologies to Ethernet technology

FIGURE 22 IMPACT OF RESTRAINTS ON ETHERNET CONNECTOR AND TRANSFORMER MARKET

5.2.3 OPPORTUNITIES

5.2.3.1 Rollout of 5G services

5.2.3.2 Emergence of connected cars

FIGURE 23 IMPACT OF OPPORTUNITIES ON ETHERNET CONNECTOR AND TRANSFORMER MARKET

5.2.4 CHALLENGES

5.2.4.1 Cybersecurity threats

5.2.4.2 Handling enormous volume of network performance data

FIGURE 24 IMPACT OF CHALLENGES ON ETHERNET CONNECTOR AND TRANSFORMER MARKET

5.3 VALUE CHAIN ANALYSIS

FIGURE 25 ETHERNET CONNECTOR AND TRANSFORMER MARKET: VALUE CHAIN ANALYSIS

5.4 PORTER'S FIVE FORCES ANALYSIS

TABLE 3 IMPACT OF PORTER'S FIVE FORCES ON ETHERNET CONNECTOR AND TRANSFORMER MARKET, 2022

TABLE 4 IMPACT OF PORTER'S FIVE FORCES ON ETHERNET CONNECTOR AND TRANSFORMER MARKET, 2022-2028

5.5 KEY STAKEHOLDERS AND BUYING CRITERIA

5.5.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 26 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS

TABLE 5 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS (%)

5.5.2 BUYING CRITERIA

FIGURE 27 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS

TABLE 6 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS

5.6 ECOSYSTEM ANALYSIS

FIGURE 28 ETHERNET CONNECTOR AND TRANSFORMER MARKET: ECOSYSTEM

TABLE 7 ETHERNET CONNECTOR AND TRANSFORMER MARKET: ECOSYSTEM

5.7 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 29 REVENUE SHIFT FOR PLAYERS IN ETHERNET CONNECTOR AND TRANSFORMER MARKET

5.8 AVERAGE SELLING PRICE OF ETHERNET CONNECTORS AND TRANSFORMERS OFFERED BY KEY PLAYERS

FIGURE 30 AVERAGE SELLING PRICE OF TOP 3 TYPES OF ETHERNET CONNECTORS OFFERED BY KEY PLAYERS

TABLE 8 AVERAGE SELLING PRICE OF TOP 3 TYPES OF ETHERNET CONNECTORS OFFERED BY KEY PLAYERS (USD)

FIGURE 31 AVERAGE SELLING PRICE OF HIGH-SPEED ETHERNET TRANSFORMERS OFFERED BY KEY PLAYERS

TABLE 9 AVERAGE SELLING PRICE OF HIGH-SPEED ETHERNET TRANSFORMERS OFFERED BY KEY PLAYERS (USD)

5.8.1 AVERAGE SELLING PRICE TRENDS

5.9 CASE STUDY ANALYSIS

TABLE 10 QUEST SELECTS CREE'S SMARTCAST POE TECHNOLOGY FOR EFFICIENT LIGHTING ACROSS ITS DATA CENTER

TABLE 11 METRO NETWORKS BY AT&T DELIVER HIGH-SPEED ETHERNET CONNECTION ACROSS CISCO HEADQUARTERS

TABLE 12 NEW BRUNSWICK SCHOOL CONTROLS ITS GROWING INFORMATION LOAD AND STRETCHES ITS BUDGET WITH ENVIRONMENTALLY FRIENDLY ROUTERS OFFERED BY D-LINK

5.10 TECHNOLOGY ANALYSIS

5.10.1 CONTROLLER AREA NETWORK

5.10.2 LOCAL INTERCONNECT NETWORK

5.10.3 FLEXRAY

5.10.4 OPEN PLATFORM COMMUNICATION UNIFIED ARCHITECTURE (OPC UA)

5.11 TRADE ANALYSIS

TABLE 13 IMPORT DATA, BY COUNTRY, 2017–2021 (USD MILLION)

FIGURE 32 IMPORT DATA, BY COUNTRY, 2017–2021 (USD MILLION)

TABLE 14 EXPORT DATA, BY COUNTRY, 2017–2021 (USD MILLION)

FIGURE 33 EXPORT DATA, BY COUNTRY, 2017–2021 (USD MILLION)

5.12 TARIFF ANALYSIS

TABLE 15 MFN TARIFF FOR HS CODE: 853690 EXPORTED BY US, 2021

TABLE 16 MFN TARIFF FOR HS CODE: 853690 EXPORTED BY CHINA, 2021

TABLE 17 MFN TARIFF FOR HS CODE: 853690 EXPORTED BY GERMANY, 2021

5.13 LIST OF MAJOR PATENTS

FIGURE 34 LIST OF MAJOR COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS IN LAST FEW YEARS (2012–2022)

TABLE 18 LIST OF MAJOR PATENTS

5.14 STANDARDS AND REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 19 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 20 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 21 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 22 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.14.2 STANDARDS AND REGULATIONS RELATED TO ETHERNET CONNECTORS AND TRANSFORMERS

TABLE 23 DIFFERENT ETHERNET STANDARDS

TABLE 24 NORTH AMERICA: SAFETY STANDARDS FOR ETHERNET CONNECTOR AND TRANSFORMER MARKET

TABLE 25 EUROPE: SAFETY STANDARDS FOR ETHERNET CONNECTOR AND TRANSFORMER MARKET

5.15 KEY CONFERENCES AND EVENT, 2022–2023

TABLE 26 ETHERNET CONNECTOR AND TRANSFORMER MARKET: DETAILED LIST OF CONFERENCES AND EVENTS

6 ETHERNET CONNECTOR MARKET, BY TYPE

6.1 INTRODUCTION

FIGURE 35 RJ45 CONNECTOR SEGMENT TO HOLD LARGEST SHARE OF ETHERNET CONNECTOR MARKET IN 2028

TABLE 27 ETHERNET CONNECTOR MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 28 ETHERNET CONNECTOR MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 29 ETHERNET CONNECTOR MARKET, BY TYPE, 2019–2022 (MILLION UNITS)

TABLE 30 ETHERNET CONNECTOR MARKET, BY TYPE, 2023–2028 (MILLION UNITS)

6.2 RJ45 CONNECTOR

6.2.1 MOST COMMON TYPE OF ETHERNET CONNECTOR

TABLE 31 RJ45 CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 32 RJ45 CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 33 RJ45 CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 34 RJ45 CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3 M12 CONNECTOR

6.3.1 DESIGNED FOR WASHDOWN AND CORROSIVE ENVIRONMENTS

TABLE 35 M12 CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 36 M12 CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 37 M12 CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION,

2019–2022 (USD MILLION)

TABLE 38 M12 CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4 M8 CONNECTOR

6.4.1 SUITABLE FOR HARSH ENVIRONMENTAL APPLICATIONS

TABLE 39 M8 CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 40 M8 CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 41 M8 CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 42 M8 CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION, 2023–2028 (USD MILLION)

6.5 IX CONNECTOR

6.5.1 HIGH-SPEED NEXT-GENERATION INDUSTRIAL AUTOMATION CONNECTOR DESIGNED FOR MATERIAL HANDLING AND ROBOTIC APPLICATIONS

TABLE 43 IX CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 44 IX CONNECTOR: ETHERNET CONNECTOR MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 45 IX CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 46 IX CONNECTOR: ETHERNET CONNECTOR MARKET, BY REGION, 2023–2028 (USD MILLION)

7 ETHERNET CONNECTOR MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 36 INDUSTRIAL AUTOMATION EQUIPMENT SEGMENT TO DOMINATE ETHERNET CONNECTOR MARKET THROUGHOUT FORECAST PERIOD

TABLE 47 ETHERNET CONNECTOR MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 48 ETHERNET CONNECTOR MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

7.2 ROUTERS & SWITCHES

7.2.1 UTILIZATION TO BUILD NETWORK CONNECTIONS BETWEEN COMPUTERS TO CONTRIBUTE TO MARKET GROWTH

TABLE 49 ROUTERS & SWITCHES: ETHERNET CONNECTOR MARKET, BY TYPE,

2019–2022 (USD MILLION)

TABLE 50 ROUTERS & SWITCHES: ETHERNET CONNECTOR MARKET, BY TYPE, 2023–2028 (USD MILLION)

7.3 CONTROL CABINETS

7.3.1 INCREASED DEMAND FOR DATA CENTER SECURITY TO STIMULATE MARKET GROWTH

TABLE 51 CONTROL CABINETS: ETHERNET CONNECTOR MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 52 CONTROL CABINETS: ETHERNET CONNECTOR MARKET, BY TYPE, 2023–2028 (USD MILLION)

7.4 INDUSTRIAL AUTOMATION EQUIPMENT

7.4.1 RISE OF CONNECTED MACHINES AND INDUSTRIAL IOT TO PUSH ETHERNET CONNECTOR MARKET GROWTH

TABLE 53 INDUSTRIAL AUTOMATION EQUIPMENT: ETHERNET CONNECTOR MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 54 INDUSTRIAL AUTOMATION EQUIPMENT: ETHERNET CONNECTOR MARKET, BY TYPE, 2023–2028 (USD MILLION)

7.5 SERVO DRIVES

7.5.1 USE OF ETHERNET FOR REMOTE MONITORING OF SERVO DRIVES TO BOOST MARKET GROWTH

TABLE 55 SERVO DRIVES: ETHERNET CONNECTOR MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 56 SERVO DRIVES: ETHERNET CONNECTOR MARKET, BY TYPE, 2023–2028 (USD MILLION)

7.6 WLAN ACCESS EQUIPMENT

7.6.1 ADOPTION OF ETHERNET CONNECTORS FOR WIRELESS INTERNET CONNECTIVITY TO PROPEL MARKET GROWTH

TABLE 57 WLAN ACCESS EQUIPMENT: ETHERNET CONNECTOR MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 58 WLAN ACCESS EQUIPMENT: ETHERNET CONNECTOR MARKET, BY TYPE, 2023–2028 (USD MILLION)

8 ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED

8.1 INTRODUCTION

FIGURE 37 100BASE-T ETHERNET TRANSFORMERS TO HOLD LARGEST MARKET SHARE IN 2028

TABLE 59 ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2019–2022 (USD MILLION)

TABLE 60 ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2023–2028 (USD MILLION)

TABLE 61 ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2019–2022 (MILLION UNITS)

TABLE 62 ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2023–2028 (MILLION UNITS)

8.2 10BASE-T

8.2.1 BASIC ETHERNET STANDARD THAT USES UTP OR STP CABLING FOR CONNECTIVITY

TABLE 63 10BASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 64 10BASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 65 10BASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 66 10BASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3 100BASE-T

8.3.1 FAST ETHERNET STANDARD FOR HOME AND LAN APPLICATIONS

TABLE 67 100BASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 68 100BASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 69 100BASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 70 100BASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2023–2028 (USD MILLION)

8.4 GIGABITBASE-T

8.4.1 ETHERNET STANDARD SUITABLE FOR WIRED LOCAL NETWORKS

TABLE 71 GIGABITBASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 72 GIGABITBASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 73 GIGABITBASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 74 GIGABITBASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2023–2028 (USD MILLION)

8.5 10GBASE-T

8.5.1 ETHERNET STANDARD BENEFICIAL FOR TELECOMMUNICATION AND

NETWORK DEVICES

TABLE 75 10GBASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 76 10GBASE-T: ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 77 10GBASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 78 10GBASE-T: ETHERNET TRANSFORMER MARKET, BY REGION, 2023–2028 (USD MILLION)

9 ETHERNET TRANSFORMER MARKET, BY APPLICATION

9.1 INTRODUCTION

FIGURE 38 ROUTERS TO ACCOUNT FOR LARGEST SHARE OF ETHERNET TRANSFORMER MARKET THROUGHOUT FORECAST PERIOD

TABLE 79 ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 80 ETHERNET TRANSFORMER MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

9.2 ROUTERS

9.2.1 ALLOW MULTIPLE DEVICES TO USE SAME INTERNET CONNECTION AND MANAGE TRAFFIC BETWEEN NETWORKS

TABLE 81 ROUTERS: ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2019–2022 (USD MILLION)

TABLE 82 ROUTERS: ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2023–2028 (USD MILLION)

9.3 NETWORK SWITCHES

9.3.1 HELP FORWARD DATA PACKETS BETWEEN CONNECTED DEVICES TO SHARE INFORMATION

TABLE 83 NETWORK SWITCHES: TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2019–2022 (USD MILLION)

TABLE 84 NETWORK SWITCHES: TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2023–2028 (USD MILLION)

9.4 NETWORK INTERFACE CARDS

9.4.1 ENABLE COMMUNICATION BETWEEN COMPUTER SYSTEMS THROUGH LAN

TABLE 85 NETWORK INTERFACE CARDS: ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2019–2022 (USD MILLION)

TABLE 86 NETWORK INTERFACE CARDS: ETHERNET TRANSFORMER MARKET,

BY TRANSMISSION SPEED, 2023–2028 (USD MILLION)

9.5 HUBS

9.5.1 ACT AS CONNECTION POINTS FOR ALL DEVICES ON LAN

TABLE 87 HUBS: ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2019–2022 (USD MILLION)

TABLE 88 HUBS: ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2023–2028 (USD MILLION)

9.6 SERVERS

9.6.1 HELP PROTECT WEBSITES OR COMPUTERS FROM CYBER ATTACKS

TABLE 89 SERVERS: ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2019–2022 (USD MILLION)

TABLE 90 SERVERS: ETHERNET TRANSFORMER MARKET, BY TRANSMISSION SPEED, 2023–2028 (USD MILLION)

10 ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY REGION

10.1 INTRODUCTION

FIGURE 39 ASIA PACIFIC TO DOMINATE ETHERNET CONNECTOR AND TRANSFORMER MARKET THROUGHOUT FORECAST PERIOD

TABLE 91 ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 92 ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY REGION, 2023–2028 (USD MILLION)

10.2 NORTH AMERICA

10.2.1 IMPACT OF RECESSION ON NORTH AMERICAN MARKET

FIGURE 40 NORTH AMERICA: SNAPSHOT OF ETHERNET CONNECTOR AND TRANSFORMER MARKET

TABLE 93 NORTH AMERICA: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 94 NORTH AMERICA: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.2.2 US

10.2.2.1 Ideal environment for innovation to facilitate advancements in Ethernet connector and transformer market

10.2.3 CANADA

10.2.3.1 Growing investments in process and discrete industries to contribute to market growth

10.2.4 MEXICO

10.2.4.1 Expanding telecommunications industry to boost Mexican market

10.3 EUROPE

10.3.1 IMPACT OF RECESSION ON EUROPEAN MARKET

FIGURE 41 EUROPE: SNAPSHOT OF ETHERNET CONNECTOR AND TRANSFORMER MARKET

TABLE 95 EUROPE: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 96 EUROPE: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.3.2 GERMANY

10.3.2.1 Technological innovations in automotive industry to fuel market growth

10.3.3 UK

10.3.3.1 Growing adoption of automation to surge demand for Ethernet connectors and transformers

10.3.4 FRANCE

10.3.4.1 Government's France 2030 plan to boost adoption of Ethernet solutions

10.3.5 REST OF EUROPE

10.4 ASIA PACIFIC

10.4.1 IMPACT OF RECESSION ON ASIA PACIFIC MARKET

FIGURE 42 ASIA PACIFIC: SNAPSHOT OF ETHERNET CONNECTOR AND TRANSFORMER MARKET

TABLE 97 ASIA PACIFIC: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 98 ASIA PACIFIC: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

FIGURE 43 CHINA TO RECORD HIGHEST CAGR IN ETHERNET CONNECTOR AND TRANSFORMER MARKET DURING FORECAST PERIOD

10.4.2 CHINA

10.4.2.1 Surging use of Ethernet technology in industrial environments to boost market

10.4.3 JAPAN

10.4.3.1 Huge investments in telecom sector to propel growth

10.4.4 INDIA

10.4.4.1 Ongoing government initiatives to bring automation in different industries to stimulate market growth

10.4.5 REST OF ASIA PACIFIC

10.5 ROW

10.5.1 IMPACT OF RECESSION ON ROW MARKET

TABLE 99 ROW: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 100 ROW: ETHERNET CONNECTOR AND TRANSFORMER MARKET, BY REGION, 2023–2028 (USD MILLION)

10.5.2 MIDDLE EAST AND AFRICA

10.5.2.1 Adoption of cloud services to boost the growth of Ethernet transformer market

10.5.3 SOUTH AMERICA

10.5.3.1 Rising deployment of factory automation solutions in different industries to boost market

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

11.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

TABLE 101 OVERVIEW OF STRATEGIES ADOPTED BY MAJOR COMPANIES IN ETHERNET CONNECTOR AND TRANSFORMER MARKET

11.3 MARKET SHARE ANALYSIS: ETHERNET CONNECTOR MARKET, 2022

TABLE 102 DEGREE OF COMPETITION FOR ETHERNET CONNECTOR MARKET

11.4 MARKET SHARE ANALYSIS: ETHERNET TRANSFORMER MARKET, 2022

TABLE 103 DEGREE OF COMPETITION FOR ETHERNET TRANSFORMER MARKET

11.5 REVENUE ANALYSIS OF LEADING PLAYERS IN ETHERNET CONNECTOR AND TRANSFORMER MARKET

FIGURE 44 THREE-YEAR REVENUE ANALYSIS OF TOP PLAYERS IN ETHERNET CONNECTOR MARKET

FIGURE 45 THREE-YEAR REVENUE ANALYSIS OF TOP PLAYERS IN ETHERNET TRANSFORMER MARKET

11.6 COMPANY EVALUATION QUADRANT, 2022

11.6.1 STARS

11.6.2 EMERGING LEADERS

11.6.3 PERVASIVE PLAYERS

11.6.4 PARTICIPANTS

FIGURE 46 ETHERNET CONNECTOR AND TRANSFORMER MARKET (GLOBAL): COMPANY EVALUATION QUADRANT, 2022

11.7 SMES EVALUATION QUADRANT, 2022

11.7.1 PROGRESSIVE COMPANIES

11.7.2 RESPONSIVE COMPANIES

11.7.3 DYNAMIC COMPANIES

11.7.4 STARTING BLOCKS

FIGURE 47 ETHERNET CONNECTOR AND TRANSFORMER MARKET (GLOBAL):

SMES EVALUATION QUADRANT, 2022

11.8 COMPETITIVE BENCHMARKING

11.8.1 STARTUP MATRIX: DETAILED LIST OF KEY STARTUPS OFFERING ETHERNET CONNECTORS

TABLE 104 ETHERNET CONNECTOR MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS, BY CONNECTOR TYPE

TABLE 105 ETHERNET CONNECTOR MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS, BY REGION

11.9 COMPANY PRODUCT FOOTPRINT ANALYSIS

TABLE 106 COMPANY PRODUCT FOOTPRINT (ETHERNET TRANSFORMER)

TABLE 107 COMPANY TRANSMISSION SPEED FOOTPRINT (ETHERNET TRANSFORMER)

TABLE 108 COMPANY APPLICATION FOOTPRINT (ETHERNET TRANSFORMER)

TABLE 109 COMPANY REGION FOOTPRINT (ETHERNET TRANSFORMER)

TABLE 110 COMPANY PRODUCT FOOTPRINT (ETHERNET CONNECTOR)

TABLE 111 COMPANY CONNECTOR TYPE FOOTPRINT (ETHERNET CONNECTOR)

TABLE 112 COMPANY APPLICATION FOOTPRINT (ETHERNET CONNECTOR)

TABLE 113 COMPANY REGION FOOTPRINT (ETHERNET CONNECTOR)

11.10 COMPETITIVE SCENARIO AND TRENDS

TABLE 114 ETHERNET CONNECTOR AND TRANSFORMER MARKET: TOP PRODUCT LAUNCHES AND DEVELOPMENTS, MAY 2021 TO OCTOBER 2022

TABLE 115 ETHERNET CONNECTOR AND TRANSFORMER MARKET: TOP DEALS AND OTHER DEVELOPMENTS, JANUARY 2020 TO JUNE 2022

12 COMPANY PROFILES

12.1 KEY PLAYERS

(Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments)*

12.1.1 TDK CORPORATION

TABLE 116 TDK CORPORATION: BUSINESS OVERVIEW

FIGURE 48 TDK: COMPANY SNAPSHOT

12.1.2 BOURNS, INC.

TABLE 117 BOURNS, INC.: BUSINESS OVERVIEW

12.1.3 EATON CORPORATION PLC

TABLE 118 EATON CORPORATION: BUSINESS OVERVIEW

FIGURE 49 EATON CORPORATION: COMPANY SNAPSHOT

12.1.4 BELDEN

TABLE 119 BELDEN: BUSINESS OVERVIEW

FIGURE 50 BELDEN: COMPANY SNAPSHOT

12.1.5 ABRACON

TABLE 120 ABRACON: BUSINESS OVERVIEW

12.1.6 W?RTH ELEKTRONIK GMBH & CO. KG

TABLE 121 W?RTH ELEKTRONIK (WE): BUSINESS OVERVIEW

12.1.7 BEL FUSE INC.

TABLE 122 BEL FUSE INC.: BUSINESS OVERVIEW

FIGURE 51 BEL FUSE: COMPANY SNAPSHOT

12.1.8 TE CONNECTIVITY

TABLE 123 TE CONNECTIVITY: BUSINESS OVERVIEW

FIGURE 52 TE CONNECTIVITY: COMPANY SNAPSHOT

12.1.9 HALO ELECTRONICS

TABLE 124 HALO ELECTRONICS: BUSINESS OVERVIEW

12.1.10 PULSE ELECTRONICS

TABLE 125 PULSE ELECTRONICS: BUSINESS OVERVIEW

12.1.11 TAIMAG CORPORATION

TABLE 126 TAIMAG CORPORATION: BUSINESS OVERVIEW

*Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments might not be captured in case of unlisted companies.

12.2 OTHER KEY PLAYERS

12.2.1 WEIDM?LLER HOLDING AG & CO. KG.

TABLE 127 WEIDM?LLER HOLDING AG & CO. KG.: COMPANY SNAPSHOT

12.2.2 TT ELECTRONICS

TABLE 128 TT ELECTRONICS: COMPANY SNAPSHOT

12.2.3 LINK-PP

TABLE 129 LINK-PP: COMPANY SNAPSHOT

12.2.4 SHAREWAY TECHNOLOGY CO., LTD.

TABLE 130 SHAREWAY TECHNOLOGY CO. LTD.: COMPANY SNAPSHOT

12.2.5 IFM ELECTRONIC GMBH

TABLE 131 IFM ELECTRONIC GMBH: COMPANY SNAPSHOT

12.2.6 NEUTRIK

TABLE 132 NEUTRIK: COMPANY SNAPSHOT

12.2.7 SCHNEIDER ELECTRIC SE

TABLE 133 SCHNEIDER ELECTRIC SE: COMPANY SNAPSHOT

12.2.8 KEYSTONE ELECTRONICS CORP.

TABLE 134 KEYSTONE ELECTRONICS CORP.: COMPANY SNAPSHOT

12.2.9 MOLEX

TABLE 135 MOLEX: COMPANY SNAPSHOT

12.2.10 MENTECH TECHNOLOGY

TABLE 136 MENTECH TECHNOLOGY: COMPANY SNAPSHOT

12.2.11 HARTING TECHNOLOGY GROUP

TABLE 137 HARTING TECHNOLOGY GROUP: COMPANY SNAPSHOT

12.2.12 AMPHENOL CORPORATION

TABLE 138 AMPHENOL CORPORATION: COMPANY SNAPSHOT

12.2.13 K?BLER GROUP

TABLE 139 K?BLER GROUP: COMPANY SNAPSHOT

12.2.14 ROCKWELL AUTOMATION

TABLE 140 ROCKWELL AUTOMATION: COMPANY SNAPSHOT

12.2.15 LAPP GROUP

TABLE 141 LAPP GROUP: COMPANY SNAPSHOT

13 APPENDIX

13.1 KNOWLEDGE STORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

13.2 CUSTOMIZATION OPTIONS

13.3 RELATED REPORTS

13.4 AUTHOR DETAILS

I would like to order

Product name: Ethernet Connector and Transformer Market by Connector Type (RJ45, M12, M8, iX), Connector Application, Transmission Speed (10Base-T, 100Base-T, GigabitBase-T, 10GBase-T), Transformer Application and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/E1AD50ABBF33EN.html>

Price: US\$ 4,950.00 (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/E1AD50ABBF33EN.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