

# Multi-domain Controller - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/M83F292BD0CEN.html>

Date: January 2019

Pages: 176

Price: US\$ 4,150.00 (Single User License)

ID: M83F292BD0CEN

## Abstracts

According to Statistics MRC, the Global Multi-domain Controller Markets accounted for \$1.04 billion in 2017 and is expected to reach \$8.77 billion by 2026 growing at a CAGR of 26.7% during the forecast period. Development of Autonomous Vehicles, Increasing Complexity of Electrical-Electronic Architecture in Modern Vehicles and Government Regulations Related to Vehicle Safety are the key driving factors for the market growth. However, Non-Availability of Skilled Labor for High-Speed Communication Links and Automotive Storage, High Entry Barriers for Startups and Product and Integration Complexity at Manufacturer's End the factors hindering the market growth.

On Microsoft Servers, a domain controller is a server computer that responds to security authentication requests such as logging in, checking permissions etc, within a Windows domain. A domain is a concept introduced in Windows Network whereby a user may be granted access to a number of computer resources with the use of a single username and password combination.

Based on Bit Size, the 128-bit segment accounted for considerable market share during the forecast period as the industry moves toward the new priority of manufacturing self-driving cars and environment-friendly vehicles. The 128-bit MDCs have the highest bit rate and are hence the most suitable for ADAS and safety functions as they can respond the quickest. These MDCs will start gaining momentum in the near future (within 5-8 years) due to the increasing adoption of autonomous vehicles. By geography, Asia Pacific is expected to be the largest region in the multi-domain controller market during the forecast period. The Asia Pacific comprises emerging economies, such as China and India, along with developed nations, such as Japan, and is the largest market for automobiles. In recent years, the region has emerged as a hub for automobile production. Infrastructural developments and industrialization in the

emerging economies have opened new avenues, creating several opportunities for automotive OEMs. To gain a competitive advantage in the market, OEMs are offering advanced applications such as HMI, keyless entry, and an auto-park assist among others, which naturally increases the number of ECUs in vehicles.

Some of the key players profiled in the Multi-Domain controllers Market include Analog Devices Inc, Aptiv PLC, Autoliv Inc, Broadcom, Cisco, Continental AG, Denso Corporation, Elmos Semiconductor, Faurecia, Harman International, Hitachi Ltd, Infineon Technologies, Intel, Lear Corporation, Magna International Inc, Magneti Marelli Spa, Maxim Integrated, Melexis, Microchip, Mitsubishi Electric Corporation, Nvidia Corporation, NXP Semiconductors, ON Semiconductor, Panasonic Corporation, Qualcomm, Robert Bosch GmbH, Rohm Semiconductor, SASKEN Technologies Ltd, STMicroelectronics Nv, Texas Instruments, Toshiba, Valeo, Vector Informatik, Visteon Corporation, Xilinx, and ZF Friedrichshafen AG.

#### Vehicle Types Covered:

Heavy Commercial Vehicles

Light Commercial Vehicles

Passenger Cars

#### Bus Types Covered:

Can & Can Fd

Ethernet

Flexray

Local Interconnect Network (LIN )

#### Bit Sizes Covered:

32-Bit

64-Bit

128-Bit

Propulsion Types Covered:

Battery Electric Vehicles (BEV)

Heavy Electric Vehicle (HEV)

Internal Combustion Engine (ICE)

Applications Covered:

Advanced Driver-Assistance Systems (ADAS) Safety

Body & Comfort

Cockpit Electronics

Powertrain

Operating System:

QNX Software

Automotive Grade Linux (AGL)

Android

Level of Autonomys Covered:

Level of Autonomy

Autonomous Vehicles

## Semi-Autonomous Vehicles

### Regions Covered:

#### North America

US

Canada

Mexico

#### Europe

Germany

UK

Italy

France

Spain

Rest of Europe

#### Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

#### Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

##### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

##### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

##### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 Emerging Markets
- 3.8 Futuristic Market Scenario

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

### **5 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY VEHICLE TYPE**

- 5.1 Introduction
- 5.2 Heavy Commercial Vehicles
- 5.3 Light Commercial Vehicles
- 5.4 Passenger Cars

## **6 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY BUS SYSTEM**

- 6.1 Introduction
- 6.2 Can & Can Fd
- 6.3 Ethernet
- 6.4 Flexray
- 6.5 Local Interconnect Network (LIN )

## **7 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY BIT SIZE**

- 7.1 Introduction
- 7.2 32-Bit
- 7.3 64-Bit
- 7.4 128-Bit

## **8 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY PROPULSION TYPE**

- 8.1 Introduction
- 8.2 Battery Electric Vehicles (BEV)
- 8.3 Heavy Electric Vehicle (HEV)
- 8.4 Internal Combustion Engine (ICE)

## **9 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY APPLICATION**

- 9.1 Introduction
- 9.2 Advanced Driver-Assistance Systems (ADAS) Safety
  - 9.2.1 Chassis
- 9.3 Body & Comfort
- 9.4 Cockpit Electronics
  - 9.4.1 Infotainment
  - 9.4.2 Connectivity
- 9.5 Powertrain



## **10 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY OPERATING SYSTEM**

- 10.1 Introduction
- 10.2 QNX Software
- 10.3 Automotive Grade Linux (AGL)
- 10.4 Android

## **11 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY LEVEL OF AUTONOMY**

- 11.1 Introduction
- 11.2 Autonomous Vehicles
- 11.3 Semi-Autonomous Vehicles

## **12 GLOBAL MULTI-DOMAIN CONTROLLER MARKET, BY GEOGRAPHY**

- 12.1 Introduction
- 12.2 North America
  - 12.2.1 US
  - 12.2.2 Canada
  - 12.2.3 Mexico
- 12.3 Europe
  - 12.3.1 Germany
  - 12.3.2 UK
  - 12.3.3 Italy
  - 12.3.4 France
  - 12.3.5 Spain
  - 12.3.6 Rest of Europe
- 12.4 Asia Pacific
  - 12.4.1 Japan
  - 12.4.2 China
  - 12.4.3 India
  - 12.4.4 Australia
  - 12.4.5 New Zealand
  - 12.4.6 South Korea
  - 12.4.7 Rest of Asia Pacific
- 12.5 South America
  - 12.5.1 Argentina
  - 12.5.2 Brazil
  - 12.5.3 Chile

- 12.5.4 Rest of South America
- 12.6 Middle East & Africa
  - 12.6.1 Saudi Arabia
  - 12.6.2 UAE
  - 12.6.3 Qatar
  - 12.6.4 South Africa
  - 12.6.5 Rest of Middle East & Africa

## **13 KEY DEVELOPMENTS**

- 13.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 13.2 Acquisitions & Mergers
- 13.3 New Product Launch
- 13.4 Expansions
- 13.5 Other Key Strategies

## **14 COMPANY PROFILING**

- 14.1 Analog Devices Inc
- 14.2 Aptiv PLC
- 14.3 Autoliv Inc
- 14.4 Broadcom
- 14.5 Cisco
- 14.6 Continental AG
- 14.7 Denso Corporation
- 14.8 Elmos Semiconductor
- 14.9 Faurecia
- 14.10 Harman International
- 14.11 Hitachi Ltd
- 14.12 Infineon Technologies
- 14.13 Intel
- 14.14 Lear Corporation
- 14.15 Magna International Inc
- 14.16 Magneti Marelli Spa
- 14.17 Maxim Integrated
- 14.18 Melexis
- 14.19 Microchip
- 14.20 Mitsubishi Electric Corporation
- 14.21 Nvidia Corporation

- 14.22 NXP Semiconductors
- 14.23 ON Semiconductor
- 14.24 Panasonic Corporation
- 14.25 Qualcomm
- 14.26 Robert Bosch GmbH
- 14.27 Rohm Semiconductor
- 14.28 Sanken Technologies Ltd
- 14.29 STMicroelectronics NV
- 14.30 Texas Instruments
- 14.31 Toshiba
- 14.32 Valeo
- 14.33 Vector Informatik
- 14.34 Visteon Corporation
- 14.35 Xilinx
- 14.36 ZF Friedrichshafen AG

## List Of Tables

### LIST OF TABLES

Table 1 Global Multi-domain Controller Market Outlook, By Region (2016-2026) (US \$MN)

Table 2 Global Multi-domain Controller Market Outlook, By Vehicle Type (2016-2026) (US \$MN)

Table 3 Global Multi-domain Controller Market Outlook, By Heavy Commercial Vehicles (2016-2026) (US \$MN)

Table 4 Global Multi-domain Controller Market Outlook, By Light Commercial Vehicles (2016-2026) (US \$MN)

Table 5 Global Multi-domain Controller Market Outlook, By Passenger Cars (2016-2026) (US \$MN)

Table 6 Global Multi-domain Controller Market Outlook, By Bus System (2016-2026) (US \$MN)

Table 7 Global Multi-domain Controller Market Outlook, By Can & Can Fd (2016-2026) (US \$MN)

Table 8 Global Multi-domain Controller Market Outlook, By Ethernet (2016-2026) (US \$MN)

Table 9 Global Multi-domain Controller Market Outlook, By Flexray (2016-2026) (US \$MN)

Table 10 Global Multi-domain Controller Market Outlook, By Local Interconnect Network (LIN ) (2016-2026) (US \$MN)

Table 11 Global Multi-domain Controller Market Outlook, By Bit Size (2016-2026) (US \$MN)

Table 12 Global Multi-domain Controller Market Outlook, By 32-Bit (2016-2026) (US \$MN)

Table 13 Global Multi-domain Controller Market Outlook, By 64-Bit (2016-2026) (US \$MN)

Table 14 Global Multi-domain Controller Market Outlook, By 128-Bit (2016-2026) (US \$MN)

Table 15 Global Multi-domain Controller Market Outlook, By Propulsion Type (2016-2026) (US \$MN)

Table 16 Global Multi-domain Controller Market Outlook, By Battery Electric Vehicles (BEV) (2016-2026) (US \$MN)

Table 17 Global Multi-domain Controller Market Outlook, By Heavy Electric Vehicle (HEV) (2016-2026) (US \$MN)

Table 18 Global Multi-domain Controller Market Outlook, By Internal Combustion

Engine (ICE) (2016-2026) (US \$MN)

Table 19 Global Multi-domain Controller Market Outlook, By Application (2016-2026) (US \$MN)

Table 20 Global Multi-domain Controller Market Outlook, By Advanced Driver-Assistance Systems (ADAS) Safety (2016-2026) (US \$MN)

Table 21 Global Multi-domain Controller Market Outlook, By Chassis (2016-2026) (US \$MN)

Table 22 Global Multi-domain Controller Market Outlook, By Body & Comfort (2016-2026) (US \$MN)

Table 23 Global Multi-domain Controller Market Outlook, By Cockpit Electronics (2016-2026) (US \$MN)

Table 24 Global Multi-domain Controller Market Outlook, By Infotainment (2016-2026) (US \$MN)

Table 25 Global Multi-domain Controller Market Outlook, By Connectivity (2016-2026) (US \$MN)

Table 26 Global Multi-domain Controller Market Outlook, By Powertrain (2016-2026) (US \$MN)

Table 27 Global Multi-domain Controller Market Outlook, By Operating System (2016-2026) (US \$MN)

Table 28 Global Multi-domain Controller Market Outlook, By QNX Software (2016-2026) (US \$MN)

Table 29 Global Multi-domain Controller Market Outlook, By Automotive Grade Linux (AGL) (2016-2026) (US \$MN)

Table 30 Global Multi-domain Controller Market Outlook, By Android (2016-2026) (US \$MN)

Table 31 Global Multi-domain Controller Market Outlook, By Level of Autonomy (2016-2026) (US \$MN)

Table 32 Global Multi-domain Controller Market Outlook, By Autonomous Vehicles (2016-2026) (US \$MN)

Table 33 Global Multi-domain Controller Market Outlook, By Semi-Autonomous Vehicles (2016-2026) (US \$MN)

NOTE: Tables for North America, Europe, Asia Pacific, South America, Middle East & Africa are represented in the same manner above.

## I would like to order

Product name: Multi-domain Controller - Global Market Outlook (2017-2026)

Product link: <https://marketpublishers.com/r/M83F292BD0CEN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/M83F292BD0CEN.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