

Global Autonomous Driving Logistics Vehicles Industry Growth and Trends Forecast to 2031

<https://marketpublishers.com/r/GABAE9F4F448EN.html>

Date: February 2025

Pages: 115

Price: US\$ 3,450.00 (Single User License)

ID: GABAE9F4F448EN

Abstracts

Summary

According to APO Research, The global Autonomous Driving Logistics Vehicles market was estimated at US\$ million in 2025 and is projected to reach a revised size of US\$ million by 2031, witnessing a CAGR of xx% during the forecast period 2026-2031.

North American market for Autonomous Driving Logistics Vehicles is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2026 through 2031.

Asia-Pacific market for Autonomous Driving Logistics Vehicles is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2026 through 2031.

Europe market for Autonomous Driving Logistics Vehicles is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2026 through 2031.

The major global manufacturers of Autonomous Driving Logistics Vehicles include Uisee, Xingshen Tech, Neolix, Shanghai We-Drive, Zelostech, JDL, Haomo.AI, Shandong Haoch Intelligent Automobile Co., Ltd. and Baidu, etc. In 2024, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for

Autonomous Driving Logistics Vehicles, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Autonomous Driving Logistics Vehicles.

The Autonomous Driving Logistics Vehicles market size, estimations, and forecasts are provided in terms of sales volume (Units) and revenue (\$ millions), considering 2024 as the base year, with history and forecast data for the period from 2020 to 2031. This report segments the global Autonomous Driving Logistics Vehicles market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2020-2025. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses.

Autonomous Driving Logistics Vehicles Segment by Company

Uisee

Xingshen Tech

Neolix

Shanghai We-Drive

Zelostech

JDL

Haomo.AI

Shandong Haoch Intelligent Automobile Co., Ltd.

Baidu

ZMP Ino.

TeleRetail

Starship Technologies

Nuro, Inc.

Kiwibot

Einride

Autonomous Driving Logistics Vehicles Segment by Type

Transportation Type

Retail Type

Express Type

Others

Autonomous Driving Logistics Vehicles Segment by Application

Factory

Commerce

Community

Campus

Others

Autonomous Driving Logistics Vehicles Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the

Global Autonomous Driving Logistics Vehicles Industry Growth and Trends Forecast to 2031

readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Autonomous Driving Logistics Vehicles market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Autonomous Driving Logistics Vehicles and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Autonomous Driving Logistics Vehicles.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market

segments by type, market size segments for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Autonomous Driving Logistics Vehicles manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Autonomous Driving Logistics Vehicles in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, South America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Autonomous Driving Logistics Vehicles Market Size Estimates and Forecasts (2020-2031)
 - 1.2.2 Global Autonomous Driving Logistics Vehicles Sales Estimates and Forecasts (2020-2031)
- 1.3 Autonomous Driving Logistics Vehicles Market by Type
 - 1.3.1 Transportation Type
 - 1.3.2 Retail Type
 - 1.3.3 Express Type
 - 1.3.4 Others
- 1.4 Global Autonomous Driving Logistics Vehicles Market Size by Type
 - 1.4.1 Global Autonomous Driving Logistics Vehicles Market Size Overview by Type (2020-2031)
 - 1.4.2 Global Autonomous Driving Logistics Vehicles Historic Market Size Review by Type (2020-2025)
 - 1.4.3 Global Autonomous Driving Logistics Vehicles Forecasted Market Size by Type (2026-2031)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Autonomous Driving Logistics Vehicles Sales Breakdown by Type (2020-2025)
 - 1.5.2 Europe Autonomous Driving Logistics Vehicles Sales Breakdown by Type (2020-2025)
 - 1.5.3 Asia-Pacific Autonomous Driving Logistics Vehicles Sales Breakdown by Type (2020-2025)
 - 1.5.4 South America Autonomous Driving Logistics Vehicles Sales Breakdown by Type (2020-2025)
 - 1.5.5 Middle East and Africa Autonomous Driving Logistics Vehicles Sales Breakdown by Type (2020-2025)

2 GLOBAL MARKET DYNAMICS

- 2.1 Autonomous Driving Logistics Vehicles Industry Trends
- 2.2 Autonomous Driving Logistics Vehicles Industry Drivers
- 2.3 Autonomous Driving Logistics Vehicles Industry Opportunities and Challenges

2.4 Autonomous Driving Logistics Vehicles Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

3.1 Global Top Players by Autonomous Driving Logistics Vehicles Revenue (2020-2025)

3.2 Global Top Players by Autonomous Driving Logistics Vehicles Sales (2020-2025)

3.3 Global Top Players by Autonomous Driving Logistics Vehicles Price (2020-2025)

3.4 Global Autonomous Driving Logistics Vehicles Industry Company Ranking, 2023 VS 2024 VS 2025

3.5 Global Autonomous Driving Logistics Vehicles Major Company Production Sites & Headquarters

3.6 Global Autonomous Driving Logistics Vehicles Company, Product Type & Application

3.7 Global Autonomous Driving Logistics Vehicles Company Establishment Date

3.8 Market Competitive Analysis

3.8.1 Global Autonomous Driving Logistics Vehicles Market CR5 and HHI

3.8.2 Global Top 5 and 10 Autonomous Driving Logistics Vehicles Players Market Share by Revenue in 2024

3.8.3 2023 Autonomous Driving Logistics Vehicles Tier 1, Tier 2, and Tier

4 AUTONOMOUS DRIVING LOGISTICS VEHICLES REGIONAL STATUS AND OUTLOOK

4.1 Global Autonomous Driving Logistics Vehicles Market Size and CAGR by Region: 2020 VS 2024 VS 2031

4.2 Global Autonomous Driving Logistics Vehicles Historic Market Size by Region

4.2.1 Global Autonomous Driving Logistics Vehicles Sales in Volume by Region (2020-2025)

4.2.2 Global Autonomous Driving Logistics Vehicles Sales in Value by Region (2020-2025)

4.2.3 Global Autonomous Driving Logistics Vehicles Sales (Volume & Value), Price and Gross Margin (2020-2025)

4.3 Global Autonomous Driving Logistics Vehicles Forecasted Market Size by Region

4.3.1 Global Autonomous Driving Logistics Vehicles Sales in Volume by Region (2026-2031)

4.3.2 Global Autonomous Driving Logistics Vehicles Sales in Value by Region (2026-2031)

4.3.3 Global Autonomous Driving Logistics Vehicles Sales (Volume & Value), Price

and Gross Margin (2026-2031)

5 AUTONOMOUS DRIVING LOGISTICS VEHICLES BY APPLICATION

5.1 Autonomous Driving Logistics Vehicles Market by Application

- 5.1.1 Factory
- 5.1.2 Commerce
- 5.1.3 Community
- 5.1.4 Campus
- 5.1.5 Others

5.2 Global Autonomous Driving Logistics Vehicles Market Size by Application

5.2.1 Global Autonomous Driving Logistics Vehicles Market Size Overview by Application (2020-2031)

5.2.2 Global Autonomous Driving Logistics Vehicles Historic Market Size Review by Application (2020-2025)

5.2.3 Global Autonomous Driving Logistics Vehicles Forecasted Market Size by Application (2026-2031)

5.3 Key Regions Market Size by Application

5.3.1 North America Autonomous Driving Logistics Vehicles Sales Breakdown by Application (2020-2025)

5.3.2 Europe Autonomous Driving Logistics Vehicles Sales Breakdown by Application (2020-2025)

5.3.3 Asia-Pacific Autonomous Driving Logistics Vehicles Sales Breakdown by Application (2020-2025)

5.3.4 South America Autonomous Driving Logistics Vehicles Sales Breakdown by Application (2020-2025)

5.3.5 Middle East and Africa Autonomous Driving Logistics Vehicles Sales Breakdown by Application (2020-2025)

6 COMPANY PROFILES

6.1 Uisee

6.1.1 Uisee Company Information

6.1.2 Uisee Business Overview

6.1.3 Uisee Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)

6.1.4 Uisee Autonomous Driving Logistics Vehicles Product Portfolio

6.1.5 Uisee Recent Developments

6.2 Xingshen Tech

- 6.2.1 Xingshen Tech Comapny Information
- 6.2.2 Xingshen Tech Business Overview
- 6.2.3 Xingshen Tech Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
- 6.2.4 Xingshen Tech Autonomous Driving Logistics Vehicles Product Portfolio
- 6.2.5 Xingshen Tech Recent Developments
- 6.3 Neolix
 - 6.3.1 Neolix Comapny Information
 - 6.3.2 Neolix Business Overview
 - 6.3.3 Neolix Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.3.4 Neolix Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.3.5 Neolix Recent Developments
- 6.4 Shanghai We-Drive
 - 6.4.1 Shanghai We-Drive Comapny Information
 - 6.4.2 Shanghai We-Drive Business Overview
 - 6.4.3 Shanghai We-Drive Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.4.4 Shanghai We-Drive Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.4.5 Shanghai We-Drive Recent Developments
- 6.5 Zelostech
 - 6.5.1 Zelostech Comapny Information
 - 6.5.2 Zelostech Business Overview
 - 6.5.3 Zelostech Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.5.4 Zelostech Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.5.5 Zelostech Recent Developments
- 6.6 JDL
 - 6.6.1 JDL Comapny Information
 - 6.6.2 JDL Business Overview
 - 6.6.3 JDL Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.6.4 JDL Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.6.5 JDL Recent Developments
- 6.7 Haomo.AI
 - 6.7.1 Haomo.AI Comapny Information
 - 6.7.2 Haomo.AI Business Overview
 - 6.7.3 Haomo.AI Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)

- 6.7.4 Haomo.AI Autonomous Driving Logistics Vehicles Product Portfolio
- 6.7.5 Haomo.AI Recent Developments
- 6.8 Shandong Haoch Intelligent Automobile Co., Ltd.
 - 6.8.1 Shandong Haoch Intelligent Automobile Co., Ltd. Company Information
 - 6.8.2 Shandong Haoch Intelligent Automobile Co., Ltd. Business Overview
 - 6.8.3 Shandong Haoch Intelligent Automobile Co., Ltd. Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.8.4 Shandong Haoch Intelligent Automobile Co., Ltd. Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.8.5 Shandong Haoch Intelligent Automobile Co., Ltd. Recent Developments
- 6.9 Baidu
 - 6.9.1 Baidu Company Information
 - 6.9.2 Baidu Business Overview
 - 6.9.3 Baidu Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.9.4 Baidu Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.9.5 Baidu Recent Developments
- 6.10 ZMP Inc.
 - 6.10.1 ZMP Inc. Company Information
 - 6.10.2 ZMP Inc. Business Overview
 - 6.10.3 ZMP Inc. Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.10.4 ZMP Inc. Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.10.5 ZMP Inc. Recent Developments
- 6.11 TeleRetail
 - 6.11.1 TeleRetail Company Information
 - 6.11.2 TeleRetail Business Overview
 - 6.11.3 TeleRetail Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.11.4 TeleRetail Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.11.5 TeleRetail Recent Developments
- 6.12 Starship Technologies
 - 6.12.1 Starship Technologies Company Information
 - 6.12.2 Starship Technologies Business Overview
 - 6.12.3 Starship Technologies Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.12.4 Starship Technologies Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.12.5 Starship Technologies Recent Developments
- 6.13 Nuro, Inc.

- 6.13.1 Nuro, Inc. Company Information
- 6.13.2 Nuro, Inc. Business Overview
- 6.13.3 Nuro, Inc. Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
- 6.13.4 Nuro, Inc. Autonomous Driving Logistics Vehicles Product Portfolio
- 6.13.5 Nuro, Inc. Recent Developments
- 6.14 Kiwibot
 - 6.14.1 Kiwibot Company Information
 - 6.14.2 Kiwibot Business Overview
 - 6.14.3 Kiwibot Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.14.4 Kiwibot Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.14.5 Kiwibot Recent Developments
- 6.15 Einride
 - 6.15.1 Einride Company Information
 - 6.15.2 Einride Business Overview
 - 6.15.3 Einride Autonomous Driving Logistics Vehicles Sales, Revenue and Gross Margin (2020-2025)
 - 6.15.4 Einride Autonomous Driving Logistics Vehicles Product Portfolio
 - 6.15.5 Einride Recent Developments

7 NORTH AMERICA BY COUNTRY

- 7.1 North America Autonomous Driving Logistics Vehicles Sales by Country
 - 7.1.1 North America Autonomous Driving Logistics Vehicles Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031
 - 7.1.2 North America Autonomous Driving Logistics Vehicles Sales by Country (2020-2025)
 - 7.1.3 North America Autonomous Driving Logistics Vehicles Sales Forecast by Country (2026-2031)
- 7.2 North America Autonomous Driving Logistics Vehicles Market Size by Country
 - 7.2.1 North America Autonomous Driving Logistics Vehicles Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031
 - 7.2.2 North America Autonomous Driving Logistics Vehicles Market Size by Country (2020-2025)
 - 7.2.3 North America Autonomous Driving Logistics Vehicles Market Size Forecast by Country (2026-2031)

8 EUROPE BY COUNTRY

8.1 Europe Autonomous Driving Logistics Vehicles Sales by Country

8.1.1 Europe Autonomous Driving Logistics Vehicles Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

8.1.2 Europe Autonomous Driving Logistics Vehicles Sales by Country (2020-2025)

8.1.3 Europe Autonomous Driving Logistics Vehicles Sales Forecast by Country (2026-2031)

8.2 Europe Autonomous Driving Logistics Vehicles Market Size by Country

8.2.1 Europe Autonomous Driving Logistics Vehicles Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

8.2.2 Europe Autonomous Driving Logistics Vehicles Market Size by Country (2020-2025)

8.2.3 Europe Autonomous Driving Logistics Vehicles Market Size Forecast by Country (2026-2031)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Autonomous Driving Logistics Vehicles Sales by Country

9.1.1 Asia-Pacific Autonomous Driving Logistics Vehicles Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

9.1.2 Asia-Pacific Autonomous Driving Logistics Vehicles Sales by Country (2020-2025)

9.1.3 Asia-Pacific Autonomous Driving Logistics Vehicles Sales Forecast by Country (2026-2031)

9.2 Asia-Pacific Autonomous Driving Logistics Vehicles Market Size by Country

9.2.1 Asia-Pacific Autonomous Driving Logistics Vehicles Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

9.2.2 Asia-Pacific Autonomous Driving Logistics Vehicles Market Size by Country (2020-2025)

9.2.3 Asia-Pacific Autonomous Driving Logistics Vehicles Market Size Forecast by Country (2026-2031)

10 SOUTH AMERICA BY COUNTRY

10.1 South America Autonomous Driving Logistics Vehicles Sales by Country

10.1.1 South America Autonomous Driving Logistics Vehicles Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

10.1.2 South America Autonomous Driving Logistics Vehicles Sales by Country (2020-2025)

10.1.3 South America Autonomous Driving Logistics Vehicles Sales Forecast by Country (2026-2031)

10.2 South America Autonomous Driving Logistics Vehicles Market Size by Country

10.2.1 South America Autonomous Driving Logistics Vehicles Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

10.2.2 South America Autonomous Driving Logistics Vehicles Market Size by Country (2020-2025)

10.2.3 South America Autonomous Driving Logistics Vehicles Market Size Forecast by Country (2026-2031)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Autonomous Driving Logistics Vehicles Sales by Country

11.1.1 Middle East and Africa Autonomous Driving Logistics Vehicles Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

11.1.2 Middle East and Africa Autonomous Driving Logistics Vehicles Sales by Country (2020-2025)

11.1.3 Middle East and Africa Autonomous Driving Logistics Vehicles Sales Forecast by Country (2026-2031)

11.2 Middle East and Africa Autonomous Driving Logistics Vehicles Market Size by Country

11.2.1 Middle East and Africa Autonomous Driving Logistics Vehicles Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

11.2.2 Middle East and Africa Autonomous Driving Logistics Vehicles Market Size by Country (2020-2025)

11.2.3 Middle East and Africa Autonomous Driving Logistics Vehicles Market Size Forecast by Country (2026-2031)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 Autonomous Driving Logistics Vehicles Value Chain Analysis

12.1.1 Autonomous Driving Logistics Vehicles Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Autonomous Driving Logistics Vehicles Production Mode & Process

12.2 Autonomous Driving Logistics Vehicles Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Autonomous Driving Logistics Vehicles Distributors

12.2.3 Autonomous Driving Logistics Vehicles Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

I would like to order

Product name: Global Autonomous Driving Logistics Vehicles Industry Growth and Trends Forecast to 2031

Product link: <https://marketpublishers.com/r/GABAE9F4F448EN.html>

Price: US\$ 3,450.00 (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/GABAE9F4F448EN.html>