

Intelligent Electronic Devices Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global intelligent electronic devices market size reached US\$ 11.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 18.9 Billion by 2028, exhibiting a growth rate (CAGR) of 9.3% during 2023-2028.

An intelligent electronic device (IED) is used in industrial control systems (ICS) to enable automation of power systems. It is equipped with a human-machine interface (HMI) software for testing, commissioning, and performing fault analysis and real-time synchronization of event reporting. It monitors self and external circuits, performs advanced local control intelligence and provides remote, local and substation data acquisition for use in network analysis. Consequently, it finds applications in a number of industries including automotive, energy and power, oil & gas, chemicals & petrochemicals, healthcare, food and beverage (F&B), and water and wastewater treatment industries.

Intelligent Electronic Devices Market Trends:

The increasing automation in industrial processes represents one of the key factors impelling the global IEDs market growth. Moreover, the rising need to reduce transmission and power distribution (T&D) losses, along with the growing instances of fluctuation and outages in power lines, is driving the market. Apart from this, the increasing trend of substation automation in solar power systems, in confluence with the escalating demand for renewable energy sources, is contributing to the market growth. Furthermore, governments of several countries are focusing on the installation of smart

meters in every household, which is positively influencing the demand for IEDs as they facilitate power automation with optimal capital assets and minimal human intervention.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global intelligent electronic devices market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type and end use industry.

Breakup by Type:

Digital Relay

Voltage Regulator

Protection Relay

Circuit Breaker

Load Tap Changer

Recloser Controller

Capacitor Bank Switch

Others

Breakup by End Use Industry:

Automotive

Healthcare

Oil and Gas

Petrochemical

Chemical

Food and Beverages

Energy and Power

Waste and Wastewater Treatment

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being ABB Ltd., Black & Veatch Corporation, Cisco Systems Inc., CG Power and Industrial Solutions Limited (Avantha Group), Eaton Corporation Inc, Honeywell International Inc, Landis Gyr Inc., Open Systems International Inc., Rockwell Automation Inc., S & C Electric Company, Schneider Electric S.E., Siemens Aktiengesellschaft, Toshiba Corporation and Trilliant Networks Inc.

Key Questions Answered in This Report

1. What was the size of the global intelligent electronic devices market in 2022?
2. What is the expected growth rate of the global intelligent electronic devices market during 2023-2028?
3. What has been the impact of COVID-19 on the global intelligent electronic devices market?

4. What are the key factors driving the global intelligent electronic devices market?
5. What is the breakup of the global intelligent electronic devices market based on the type?
6. What is the breakup of the global intelligent electronic devices market based on the end use industry?
7. What are the key regions in the global intelligent electronic devices market?
8. Who are the key players/companies in the global intelligent electronic devices market?

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