

# Global HMI PLC All-in-One Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global HMI PLC All-in-One market size is expected to reach \$ 699 million by 2032, rising at a market growth of 3.9% CAGR during the forecast period (2026-2032).

The HMI-PLC all-in-one is a compact industrial control device that integrates the core functions of a Human-Machine Interface (HMI) and a Programmable Logic Controller (PLC), possessing four core capabilities: data acquisition, logic operation, motion control, and visual operation. Compared to separate HMI+PLC solutions, this device features smaller size, simplified wiring, lower cost, and lower data interaction latency. It eliminates the need for additional communication cables connecting the HMI and PLC, achieving direct data exchange via an internal bus. Widely used in small and medium-sized automated control systems, it represents a highly efficient control solution for industrial automation, intelligent manufacturing, and building automation.

The global production of HMI PLC all-in-one is projected to reach 900,000 units by 2025, with an average price of \$580 per unit.

Upstream of HMI PLC all-in-one units mainly includes industrial processors and MCUs, memory, displays and touch modules, power management and communication ICs, PCBs, connectors, and mechanical parts. Downstream represents the core of demand and value, covering small and medium automation equipment, packaging and food machinery, logistics sorting, machine tools, textile and injection molding machines, building systems, and energy subsystems. Downstream users emphasize space and wiring reduction, commissioning efficiency, reliability, intuitive human-machine interaction, and multi-protocol communication, while OEMs and system integrators favor all-in-one units over split solutions to lower BOM cost, shorten delivery time, and improve system consistency.

The industry is moving toward higher integration, compact design, and networking, with HMI-PLC integration increasingly adding edge data collection, remote maintenance, and lightweight analytics. Key drivers include automation upgrades of small and medium

equipment, rising labor costs, growing demand for standardized machines, and localization initiatives. Constraints mainly come from volatility in high-end chip and display supply, price pressure from product homogenization, higher performance requirements in complex processes, and compatibility challenges across communication ecosystems.

Gross margins of HMI PLC all-in-one products are generally at a medium to relatively high level, typically around 30%?55%. Vendors with strong reliability, software platforms, and ecosystems achieve higher margins, while general-purpose and entry-level products face margin pressure due to pricing competition. Scaled manufacturing, platformized software, and industry-specific solutions are key to sustaining profitability. This report studies the global HMI PLC All-in-One production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for HMI PLC All-in-One and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of HMI PLC All-in-One that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global HMI PLC All-in-One total production and demand, 2021-2032, (Units)

Global HMI PLC All-in-One total production value, 2021-2032, (USD Million)

Global HMI PLC All-in-One production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global HMI PLC All-in-One consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: HMI PLC All-in-One domestic production, consumption, key domestic manufacturers and share

Global HMI PLC All-in-One production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global HMI PLC All-in-One production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global HMI PLC All-in-One production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global HMI PLC All-in-One market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Unitronics, Horner Automation, IDEC, B&R Industrial Automation, Beijer Electronics, Weintek, Delta Electronics, Eaton, Turck, EXOR International, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World HMI PLC All-in-One market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global HMI PLC All-in-One Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global HMI PLC All-in-One Market, Segmentation by Type:

Logic Control Type

Motion Control Type

Process Control Type

Global HMI PLC All-in-One Market, Segmentation by I/O Points:

Below 20

20-64

64-256

Above 256

#### Global HMI PLC All-in-One Market, Segmentation by Communication Method:

Fieldbus Type

Industrial Ethernet Type

Wireless Communication Type

#### Global HMI PLC All-in-One Market, Segmentation by Display and Operation Type:

Resistive Touch Screen

Capacitive Touch Screen

Hybrid Button + Touch Screen

Pure Button Type

#### Global HMI PLC All-in-One Market, Segmentation by Application:

Industrial Automation

Smart Manufacturing & Industrial IoT

Building Automation and Smart Home

New Energy and Power Systems

**Companies Profiled:**

Unitronics

Horner Automation

IDEC

B&R Industrial Automation

Beijer Electronics

Weintek

Delta Electronics

Eaton

Turck

EXOR International

Mect

Maple Systems

Kinco Automation

Renu Electronics

Haiwell

Coolmay

Kendrion (Kuhnke)

**Key Questions Answered:**

1. How big is the global HMI PLC All-in-One market?

2. What is the demand of the global HMI PLC All-in-One market?
3. What is the year over year growth of the global HMI PLC All-in-One market?
4. What is the production and production value of the global HMI PLC All-in-One market?
5. Who are the key producers in the global HMI PLC All-in-One market?
6. What are the growth factors driving the market demand?

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