

Global Time-Sensitive Networking (TSN) Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Time-Sensitive Networking (TSN) market size is expected to reach \$ 2562.8 million by 2029, rising at a market growth of 47.2% CAGR during the forecast period (2023-2029).

Global key players of time-sensitive networking (TSN) include Belden, Cisco, Microchip Technology, Xilinx (AMD) and Intel, etc. The top five players hold a share about 47%. In terms of product, switches is the largest segment, with a share about 53%. And in terms of application, the largest application is industrial automation, which has a share about 43%.

A set of IEEE 802 Ethernet sub-standards is called time-sensitive networking (TSN), which is defined by the IEEE TSN task group. Such standards allow deterministic real-time communication over the ethernet. Determinism over ethernet is achieved by TSN, by using time synchronization and a schedule that is shared between network components. By defining queues based on time, TSN ensures a bounded maximum latency for scheduled traffic through switched networks. This states that in a TSN network, latency of critical scheduled communication is guaranteed.

This report studies the global Time-Sensitive Networking (TSN) demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Time-Sensitive Networking (TSN), and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Time-Sensitive Networking (TSN) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Time-Sensitive Networking (TSN) total market, 2018-2029, (USD Million)

Global Time-Sensitive Networking (TSN) total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Time-Sensitive Networking (TSN) total market, key domestic companies and share, (USD Million)

Global Time-Sensitive Networking (TSN) revenue by player and market share 2018-2023, (USD Million)

Global Time-Sensitive Networking (TSN) total market by Component, CAGR, 2018-2029, (USD Million)

Global Time-Sensitive Networking (TSN) total market by End Use, CAGR, 2018-2029, (USD Million)

This reports profiles major players in the global Time-Sensitive Networking (TSN) market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Belden, Cisco, Intel, Marvell Technology, Microchip Technology, NXP, National Instruments, Analog Devices and Xilinx (AMD), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Time-Sensitive Networking (TSN) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Component, and by End Use. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Time-Sensitive Networking (TSN) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Time-Sensitive Networking (TSN) Market, Segmentation by Component

Switches

Hubs, Routers, & Gateways

Connectors

Power Supply Devices

Controllers & Processors

Memory

Others

Global Time-Sensitive Networking (TSN) Market, Segmentation by End Use

Industrial Automation

Energy and Power

Automotive & Transportation

Oil & Gas

Others

Companies Profiled:

Belden

Cisco

Intel

Marvell Technology

Microchip Technology

NXP

National Instruments

Analog Devices

Xilinx (AMD)

Broadcom

Advantech

Renesas Electronics

TTTech

Kyland Technology

ORing Industrial Networking

Infinera

Kontron

WAGO

HMS Networks

Moxa

Key Questions Answered

1. How big is the global Time-Sensitive Networking (TSN) market?
2. What is the demand of the global Time-Sensitive Networking (TSN) market?
3. What is the year over year growth of the global Time-Sensitive Networking (TSN) market?
4. What is the total value of the global Time-Sensitive Networking (TSN) market?
5. Who are the major players in the global Time-Sensitive Networking (TSN) market?
6. What are the growth factors driving the market demand?

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