

Global Industrial Grade DTU Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Industrial Grade DTU market size is expected to reach \$ 1062 million by 2032, rising at a market growth of 5.5% CAGR during the forecast period (2026-2032).

An industrial-grade DTU (Data Transfer Unit) is a communication terminal designed for data acquisition and remote transmission in industrial field environments. It enables the integration of data from devices—such as those utilizing serial ports, Ethernet, or I/O interfaces—into cellular, Ethernet, or private networks, thereby facilitating device connectivity, transparent data transmission, protocol conversion, and remote monitoring.

The upstream supply chain comprises communication modules, MCUs/processors, memory chips, power management components, interface chips, antennas, enclosures, connectors, and embedded software. Downstream applications span sectors including electric power, water utilities, environmental protection, oil and gas, transportation, industrial automation, smart agriculture, and municipal infrastructure.

Globally, the industrial-grade wireless DTU market features an average unit price of \$102 per device, with global sales volumes reaching approximately 6.95 million units. The industry boasts an annual production capacity of 8 to 10 million units and an average profit margin of approximately 33%.

In the future, industrial-grade DTUs are poised to evolve from being mere 'transparent data transmission devices' into intelligent Industrial IoT (IIoT) terminals. Future products will place greater emphasis on multi-network compatibility, edge computing capabilities, low power consumption, remote operation and maintenance, secure encryption, and seamless integration with cloud platforms. Driven by the increasing connectivity of

industrial equipment, advancements in energy management, the digitalization of urban infrastructure, and the proliferation of unattended operational scenarios, demand for 4G/5G, NB-IoT, and LoRa-based DTUs—as well as gateway-style DTUs—is expected to continue its robust growth. Consequently, industry competition will shift its primary focus from hardware pricing to factors such as system stability, protocol adaptability, and the provision of comprehensive end-to-end solutions.

This report studies the global Industrial Grade DTU production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Industrial Grade DTU 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 Industrial Grade DTU that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Industrial Grade DTU total production and demand, 2021-2032, (K Units)

Global Industrial Grade DTU total production value, 2021-2032, (USD Million)

Global Industrial Grade DTU production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Industrial Grade DTU consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Industrial Grade DTU domestic production, consumption, key domestic manufacturers and share

Global Industrial Grade DTU production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Industrial Grade DTU production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Industrial Grade DTU production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Industrial Grade DTU 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 Digi International, Sierra Wireless, MultiTech Systems, Lantronix, Siemens, Phoenix Contact, Teltonika Networks, Westermo, HMS Networks, Moxa, 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 Industrial Grade DTU market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K 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 Industrial Grade DTU Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Industrial Grade DTU Market, Segmentation by Type:

4G

5G

Other

Global Industrial Grade DTU Market, Segmentation by Transmission Mode:

Transparent Transmission DTU

Protocol Conversion DTU

Data Acquisition DTU

Edge Computing DTU

Global Industrial Grade DTU Market, Segmentation by Mounting Method:

DIN Rail DTU

Wall-Mounted DTU

Embedded DTU

Cabinet-Mounted DTU

Other

Global Industrial Grade DTU Market, Segmentation by Application:

Electricity

Oil

Coal Mine

Communication

Other

Companies Profiled:

Digi International

Sierra Wireless

MultiTech Systems

Lantronix

Siemens

Phoenix Contact

Teltonika Networks

Westermo

HMS Networks

Moxa

Advantech

CONTEC

OMRON

Four-Faith

Hongdian

USR IOT

InHand Networks

Robustel

Milesight

TOP-IOT

Ebyte

Key Questions Answered:

1. How big is the global Industrial Grade DTU market?
2. What is the demand of the global Industrial Grade DTU market?
3. What is the year over year growth of the global Industrial Grade DTU market?
4. What is the production and production value of the global Industrial Grade DTU market?
5. Who are the key producers in the global Industrial Grade DTU market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Industrial Grade DTU Introduction
- 1.2 World Industrial Grade DTU Supply & Forecast
 - 1.2.1 World Industrial Grade DTU Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Industrial Grade DTU Production (2021-2032)
 - 1.2.3 World Industrial Grade DTU Pricing Trends (2021-2032)
- 1.3 World Industrial Grade DTU Production by Region (Based on Production Site)
 - 1.3.1 World Industrial Grade DTU Production Value by Region (2021-2032)
 - 1.3.2 World Industrial Grade DTU Production by Region (2021-2032)
 - 1.3.3 World Industrial Grade DTU Average Price by Region (2021-2032)
 - 1.3.4 North America Industrial Grade DTU Production (2021-2032)
 - 1.3.5 Europe Industrial Grade DTU Production (2021-2032)
 - 1.3.6 China Industrial Grade DTU Production (2021-2032)
 - 1.3.7 Japan Industrial Grade DTU Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Industrial Grade DTU Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Industrial Grade DTU Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Industrial Grade DTU Demand (2021-2032)
- 2.2 World Industrial Grade DTU Consumption by Region
 - 2.2.1 World Industrial Grade DTU Consumption by Region (2021-2026)
 - 2.2.2 World Industrial Grade DTU Consumption Forecast by Region (2027-2032)
- 2.3 United States Industrial Grade DTU Consumption (2021-2032)
- 2.4 China Industrial Grade DTU Consumption (2021-2032)
- 2.5 Europe Industrial Grade DTU Consumption (2021-2032)
- 2.6 Japan Industrial Grade DTU Consumption (2021-2032)
- 2.7 South Korea Industrial Grade DTU Consumption (2021-2032)
- 2.8 ASEAN Industrial Grade DTU Consumption (2021-2032)
- 2.9 India Industrial Grade DTU Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Industrial Grade DTU Production Value by Manufacturer (2021-2026)

- 3.2 World Industrial Grade DTU Production by Manufacturer (2021-2026)
- 3.3 World Industrial Grade DTU Average Price by Manufacturer (2021-2026)
- 3.4 Industrial Grade DTU Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Industrial Grade DTU Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Industrial Grade DTU in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Industrial Grade DTU in 2025
- 3.6 Industrial Grade DTU Market: Overall Company Footprint Analysis
 - 3.6.1 Industrial Grade DTU Market: Region Footprint
 - 3.6.2 Industrial Grade DTU Market: Company Product Type Footprint
 - 3.6.3 Industrial Grade DTU Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Industrial Grade DTU Production Value Comparison
 - 4.1.1 United States VS China: Industrial Grade DTU Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Industrial Grade DTU Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Industrial Grade DTU Production Comparison
 - 4.2.1 United States VS China: Industrial Grade DTU Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Industrial Grade DTU Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Industrial Grade DTU Consumption Comparison
 - 4.3.1 United States VS China: Industrial Grade DTU Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Industrial Grade DTU Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Industrial Grade DTU Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Industrial Grade DTU Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Industrial Grade DTU Production Value (2021-2026)

4.4.3 United States Based Manufacturers Industrial Grade DTU Production (2021-2026)

4.5 China Based Industrial Grade DTU Manufacturers and Market Share

4.5.1 China Based Industrial Grade DTU Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Industrial Grade DTU Production Value (2021-2026)

4.5.3 China Based Manufacturers Industrial Grade DTU Production (2021-2026)

4.6 Rest of World Based Industrial Grade DTU Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Industrial Grade DTU Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Industrial Grade DTU Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Industrial Grade DTU Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Industrial Grade DTU Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 4G

5.2.2 5G

5.2.3 Other

5.3 Market Segment by Type

5.3.1 World Industrial Grade DTU Production by Type (2021-2032)

5.3.2 World Industrial Grade DTU Production Value by Type (2021-2032)

5.3.3 World Industrial Grade DTU Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY TRANSMISSION MODE

6.1 World Industrial Grade DTU Market Size Overview by Transmission Mode: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Transmission Mode

6.2.1 Transparent Transmission DTU

6.2.2 Protocol Conversion DTU

6.2.3 Data Acquisition DTU

6.2.4 Edge Computing DTU

6.3 Market Segment by Transmission Mode

6.3.1 World Industrial Grade DTU Production by Transmission Mode (2021-2032)

6.3.2 World Industrial Grade DTU Production Value by Transmission Mode (2021-2032)

6.3.3 World Industrial Grade DTU Average Price by Transmission Mode (2021-2032)

7 MARKET ANALYSIS BY MOUNTING METHOD

7.1 World Industrial Grade DTU Market Size Overview by Mounting Method: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Mounting Method

7.2.1 DIN Rail DTU

7.2.2 Wall-Mounted DTU

7.2.3 Embedded DTU

7.2.4 Cabinet-Mounted DTU

7.2.5 Other

7.3 Market Segment by Mounting Method

7.3.1 World Industrial Grade DTU Production by Mounting Method (2021-2032)

7.3.2 World Industrial Grade DTU Production Value by Mounting Method (2021-2032)

7.3.3 World Industrial Grade DTU Average Price by Mounting Method (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Industrial Grade DTU Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Electricity

8.2.2 Oil

8.2.3 Coal Mine

8.2.4 Communication

8.2.5 Other

8.3 Market Segment by Application

8.3.1 World Industrial Grade DTU Production by Application (2021-2032)

8.3.2 World Industrial Grade DTU Production Value by Application (2021-2032)

8.3.3 World Industrial Grade DTU Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Digi International

- 9.1.1 Digi International Details
- 9.1.2 Digi International Major Business
- 9.1.3 Digi International Industrial Grade DTU Product and Services
- 9.1.4 Digi International Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 Digi International Recent Developments/Updates
- 9.1.6 Digi International Competitive Strengths & Weaknesses
- 9.2 Sierra Wireless
 - 9.2.1 Sierra Wireless Details
 - 9.2.2 Sierra Wireless Major Business
 - 9.2.3 Sierra Wireless Industrial Grade DTU Product and Services
 - 9.2.4 Sierra Wireless Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.2.5 Sierra Wireless Recent Developments/Updates
 - 9.2.6 Sierra Wireless Competitive Strengths & Weaknesses
- 9.3 MultiTech Systems
 - 9.3.1 MultiTech Systems Details
 - 9.3.2 MultiTech Systems Major Business
 - 9.3.3 MultiTech Systems Industrial Grade DTU Product and Services
 - 9.3.4 MultiTech Systems Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 MultiTech Systems Recent Developments/Updates
 - 9.3.6 MultiTech Systems Competitive Strengths & Weaknesses
- 9.4 Lantronix
 - 9.4.1 Lantronix Details
 - 9.4.2 Lantronix Major Business
 - 9.4.3 Lantronix Industrial Grade DTU Product and Services
 - 9.4.4 Lantronix Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Lantronix Recent Developments/Updates
 - 9.4.6 Lantronix Competitive Strengths & Weaknesses
- 9.5 Siemens
 - 9.5.1 Siemens Details
 - 9.5.2 Siemens Major Business
 - 9.5.3 Siemens Industrial Grade DTU Product and Services
 - 9.5.4 Siemens Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Siemens Recent Developments/Updates
 - 9.5.6 Siemens Competitive Strengths & Weaknesses

9.6 Phoenix Contact

9.6.1 Phoenix Contact Details

9.6.2 Phoenix Contact Major Business

9.6.3 Phoenix Contact Industrial Grade DTU Product and Services

9.6.4 Phoenix Contact Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Phoenix Contact Recent Developments/Updates

9.6.6 Phoenix Contact Competitive Strengths & Weaknesses

9.7 Teltonika Networks

9.7.1 Teltonika Networks Details

9.7.2 Teltonika Networks Major Business

9.7.3 Teltonika Networks Industrial Grade DTU Product and Services

9.7.4 Teltonika Networks Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Teltonika Networks Recent Developments/Updates

9.7.6 Teltonika Networks Competitive Strengths & Weaknesses

9.8 Westermo

9.8.1 Westermo Details

9.8.2 Westermo Major Business

9.8.3 Westermo Industrial Grade DTU Product and Services

9.8.4 Westermo Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Westermo Recent Developments/Updates

9.8.6 Westermo Competitive Strengths & Weaknesses

9.9 HMS Networks

9.9.1 HMS Networks Details

9.9.2 HMS Networks Major Business

9.9.3 HMS Networks Industrial Grade DTU Product and Services

9.9.4 HMS Networks Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 HMS Networks Recent Developments/Updates

9.9.6 HMS Networks Competitive Strengths & Weaknesses

9.10 Moxa

9.10.1 Moxa Details

9.10.2 Moxa Major Business

9.10.3 Moxa Industrial Grade DTU Product and Services

9.10.4 Moxa Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Moxa Recent Developments/Updates

- 9.10.6 Moxa Competitive Strengths & Weaknesses
- 9.11 Advantech
 - 9.11.1 Advantech Details
 - 9.11.2 Advantech Major Business
 - 9.11.3 Advantech Industrial Grade DTU Product and Services
 - 9.11.4 Advantech Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Advantech Recent Developments/Updates
 - 9.11.6 Advantech Competitive Strengths & Weaknesses
- 9.12 CONTEC
 - 9.12.1 CONTEC Details
 - 9.12.2 CONTEC Major Business
 - 9.12.3 CONTEC Industrial Grade DTU Product and Services
 - 9.12.4 CONTEC Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 CONTEC Recent Developments/Updates
 - 9.12.6 CONTEC Competitive Strengths & Weaknesses
- 9.13 OMRON
 - 9.13.1 OMRON Details
 - 9.13.2 OMRON Major Business
 - 9.13.3 OMRON Industrial Grade DTU Product and Services
 - 9.13.4 OMRON Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 OMRON Recent Developments/Updates
 - 9.13.6 OMRON Competitive Strengths & Weaknesses
- 9.14 Four-Faith
 - 9.14.1 Four-Faith Details
 - 9.14.2 Four-Faith Major Business
 - 9.14.3 Four-Faith Industrial Grade DTU Product and Services
 - 9.14.4 Four-Faith Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Four-Faith Recent Developments/Updates
 - 9.14.6 Four-Faith Competitive Strengths & Weaknesses
- 9.15 Hongdian
 - 9.15.1 Hongdian Details
 - 9.15.2 Hongdian Major Business
 - 9.15.3 Hongdian Industrial Grade DTU Product and Services
 - 9.15.4 Hongdian Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.15.5 Hongdian Recent Developments/Updates
- 9.15.6 Hongdian Competitive Strengths & Weaknesses
- 9.16 USR IOT
 - 9.16.1 USR IOT Details
 - 9.16.2 USR IOT Major Business
 - 9.16.3 USR IOT Industrial Grade DTU Product and Services
 - 9.16.4 USR IOT Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 USR IOT Recent Developments/Updates
 - 9.16.6 USR IOT Competitive Strengths & Weaknesses
- 9.17 InHand Networks
 - 9.17.1 InHand Networks Details
 - 9.17.2 InHand Networks Major Business
 - 9.17.3 InHand Networks Industrial Grade DTU Product and Services
 - 9.17.4 InHand Networks Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 InHand Networks Recent Developments/Updates
 - 9.17.6 InHand Networks Competitive Strengths & Weaknesses
- 9.18 Robustel
 - 9.18.1 Robustel Details
 - 9.18.2 Robustel Major Business
 - 9.18.3 Robustel Industrial Grade DTU Product and Services
 - 9.18.4 Robustel Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.18.5 Robustel Recent Developments/Updates
 - 9.18.6 Robustel Competitive Strengths & Weaknesses
- 9.19 Milesight
 - 9.19.1 Milesight Details
 - 9.19.2 Milesight Major Business
 - 9.19.3 Milesight Industrial Grade DTU Product and Services
 - 9.19.4 Milesight Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.19.5 Milesight Recent Developments/Updates
 - 9.19.6 Milesight Competitive Strengths & Weaknesses
- 9.20 TOP-IOT
 - 9.20.1 TOP-IOT Details
 - 9.20.2 TOP-IOT Major Business
 - 9.20.3 TOP-IOT Industrial Grade DTU Product and Services
 - 9.20.4 TOP-IOT Industrial Grade DTU Production, Price, Value, Gross Margin and

Market Share (2021-2026)

9.20.5 TOP-IOT Recent Developments/Updates

9.20.6 TOP-IOT Competitive Strengths & Weaknesses

9.21 Ebyte

9.21.1 Ebyte Details

9.21.2 Ebyte Major Business

9.21.3 Ebyte Industrial Grade DTU Product and Services

9.21.4 Ebyte Industrial Grade DTU Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.21.5 Ebyte Recent Developments/Updates

9.21.6 Ebyte Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Industrial Grade DTU Industry Chain

10.2 Industrial Grade DTU Upstream Analysis

10.2.1 Industrial Grade DTU Core Raw Materials

10.2.2 Main Manufacturers of Industrial Grade DTU Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Industrial Grade DTU Production Mode

10.6 Industrial Grade DTU Procurement Model

10.7 Industrial Grade DTU Industry Sales Model and Sales Channels

10.7.1 Industrial Grade DTU Sales Model

10.7.2 Industrial Grade DTU Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Industrial Grade DTU Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Industrial Grade DTU Production Value by Region (2021-2026) & (USD Million)

Table 3. World Industrial Grade DTU Production Value by Region (2027-2032) & (USD Million)

Table 4. World Industrial Grade DTU Production Value Market Share by Region (2021-2026)

Table 5. World Industrial Grade DTU Production Value Market Share by Region (2027-2032)

Table 6. World Industrial Grade DTU Production by Region (2021-2026) & (K Units)

Table 7. World Industrial Grade DTU Production by Region (2027-2032) & (K Units)

Table 8. World Industrial Grade DTU Production Market Share by Region (2021-2026)

Table 9. World Industrial Grade DTU Production Market Share by Region (2027-2032)

Table 10. World Industrial Grade DTU Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Industrial Grade DTU Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Industrial Grade DTU Major Market Trends

Table 13. World Industrial Grade DTU Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Industrial Grade DTU Consumption by Region (2021-2026) & (K Units)

Table 15. World Industrial Grade DTU Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Industrial Grade DTU Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Industrial Grade DTU Producers in 2025

Table 18. World Industrial Grade DTU Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Industrial Grade DTU Producers in 2025

Table 20. World Industrial Grade DTU Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Industrial Grade DTU Company Evaluation Quadrant

Table 22. World Industrial Grade DTU Industry Rank of Major Manufacturers, Based on

Production Value in 2025

Table 23. Head Office and Industrial Grade DTU Production Site of Key Manufacturer

Table 24. Industrial Grade DTU Market: Company Product Type Footprint

Table 25. Industrial Grade DTU Market: Company Product Application Footprint

Table 26. Industrial Grade DTU Competitive Factors

Table 27. Industrial Grade DTU New Entrant and Capacity Expansion Plans

Table 28. Industrial Grade DTU Mergers & Acquisitions Activity

Table 29. United States VS China Industrial Grade DTU Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Industrial Grade DTU Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Industrial Grade DTU Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Industrial Grade DTU Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Industrial Grade DTU Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Industrial Grade DTU Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Industrial Grade DTU Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Industrial Grade DTU Production Market Share (2021-2026)

Table 37. China Based Industrial Grade DTU Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Industrial Grade DTU Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Industrial Grade DTU Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Industrial Grade DTU Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Industrial Grade DTU Production Market Share (2021-2026)

Table 42. Rest of World Based Industrial Grade DTU Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Industrial Grade DTU Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Industrial Grade DTU Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Industrial Grade DTU Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Industrial Grade DTU Production Market Share (2021-2026)

Table 47. World Industrial Grade DTU Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Industrial Grade DTU Production by Type (2021-2026) & (K Units)

Table 49. World Industrial Grade DTU Production by Type (2027-2032) & (K Units)

Table 50. World Industrial Grade DTU Production Value by Type (2021-2026) & (USD Million)

Table 51. World Industrial Grade DTU Production Value by Type (2027-2032) & (USD Million)

Table 52. World Industrial Grade DTU Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Industrial Grade DTU Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Industrial Grade DTU Production Value by Transmission Mode, (USD Million), 2021 & 2025 & 2032

Table 55. World Industrial Grade DTU Production by Transmission Mode (2021-2026) & (K Units)

Table 56. World Industrial Grade DTU Production by Transmission Mode (2027-2032) & (K Units)

Table 57. World Industrial Grade DTU Production Value by Transmission Mode (2021-2026) & (USD Million)

Table 58. World Industrial Grade DTU Production Value by Transmission Mode (2027-2032) & (USD Million)

Table 59. World Industrial Grade DTU Average Price by Transmission Mode (2021-2026) & (US\$/Unit)

Table 60. World Industrial Grade DTU Average Price by Transmission Mode (2027-2032) & (US\$/Unit)

Table 61. World Industrial Grade DTU Production Value by Mounting Method, (USD Million), 2021 & 2025 & 2032

Table 62. World Industrial Grade DTU Production by Mounting Method (2021-2026) & (K Units)

Table 63. World Industrial Grade DTU Production by Mounting Method (2027-2032) & (K Units)

Table 64. World Industrial Grade DTU Production Value by Mounting Method (2021-2026) & (USD Million)

Table 65. World Industrial Grade DTU Production Value by Mounting Method (2027-2032) & (USD Million)

Table 66. World Industrial Grade DTU Average Price by Mounting Method (2021-2026)

& (US\$/Unit)

Table 67. World Industrial Grade DTU Average Price by Mounting Method (2027-2032)

& (US\$/Unit)

Table 68. World Industrial Grade DTU Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Industrial Grade DTU Production by Application (2021-2026) & (K Units)

Table 70. World Industrial Grade DTU Production by Application (2027-2032) & (K Units)

Table 71. World Industrial Grade DTU Production Value by Application (2021-2026) & (USD Million)

Table 72. World Industrial Grade DTU Production Value by Application (2027-2032) & (USD Million)

Table 73. World Industrial Grade DTU Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Industrial Grade DTU Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Digi International Basic Information, Manufacturing Base and Competitors

Table 76. Digi International Major Business

Table 77. Digi International Industrial Grade DTU Product and Services

Table 78. Digi International Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Digi International Recent Developments/Updates

Table 80. Digi International Competitive Strengths & Weaknesses

Table 81. Sierra Wireless Basic Information, Manufacturing Base and Competitors

Table 82. Sierra Wireless Major Business

Table 83. Sierra Wireless Industrial Grade DTU Product and Services

Table 84. Sierra Wireless Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Sierra Wireless Recent Developments/Updates

Table 86. Sierra Wireless Competitive Strengths & Weaknesses

Table 87. MultiTech Systems Basic Information, Manufacturing Base and Competitors

Table 88. MultiTech Systems Major Business

Table 89. MultiTech Systems Industrial Grade DTU Product and Services

Table 90. MultiTech Systems Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. MultiTech Systems Recent Developments/Updates

Table 92. MultiTech Systems Competitive Strengths & Weaknesses

- Table 93. Lantronix Basic Information, Manufacturing Base and Competitors
- Table 94. Lantronix Major Business
- Table 95. Lantronix Industrial Grade DTU Product and Services
- Table 96. Lantronix Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Lantronix Recent Developments/Updates
- Table 98. Lantronix Competitive Strengths & Weaknesses
- Table 99. Siemens Basic Information, Manufacturing Base and Competitors
- Table 100. Siemens Major Business
- Table 101. Siemens Industrial Grade DTU Product and Services
- Table 102. Siemens Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Siemens Recent Developments/Updates
- Table 104. Siemens Competitive Strengths & Weaknesses
- Table 105. Phoenix Contact Basic Information, Manufacturing Base and Competitors
- Table 106. Phoenix Contact Major Business
- Table 107. Phoenix Contact Industrial Grade DTU Product and Services
- Table 108. Phoenix Contact Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Phoenix Contact Recent Developments/Updates
- Table 110. Phoenix Contact Competitive Strengths & Weaknesses
- Table 111. Teltonika Networks Basic Information, Manufacturing Base and Competitors
- Table 112. Teltonika Networks Major Business
- Table 113. Teltonika Networks Industrial Grade DTU Product and Services
- Table 114. Teltonika Networks Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Teltonika Networks Recent Developments/Updates
- Table 116. Teltonika Networks Competitive Strengths & Weaknesses
- Table 117. Westermo Basic Information, Manufacturing Base and Competitors
- Table 118. Westermo Major Business
- Table 119. Westermo Industrial Grade DTU Product and Services
- Table 120. Westermo Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Westermo Recent Developments/Updates
- Table 122. Westermo Competitive Strengths & Weaknesses
- Table 123. HMS Networks Basic Information, Manufacturing Base and Competitors
- Table 124. HMS Networks Major Business

- Table 125. HMS Networks Industrial Grade DTU Product and Services
- Table 126. HMS Networks Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. HMS Networks Recent Developments/Updates
- Table 128. HMS Networks Competitive Strengths & Weaknesses
- Table 129. Moxa Basic Information, Manufacturing Base and Competitors
- Table 130. Moxa Major Business
- Table 131. Moxa Industrial Grade DTU Product and Services
- Table 132. Moxa Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Moxa Recent Developments/Updates
- Table 134. Moxa Competitive Strengths & Weaknesses
- Table 135. Advantech Basic Information, Manufacturing Base and Competitors
- Table 136. Advantech Major Business
- Table 137. Advantech Industrial Grade DTU Product and Services
- Table 138. Advantech Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 139. Advantech Recent Developments/Updates
- Table 140. Advantech Competitive Strengths & Weaknesses
- Table 141. CONTEC Basic Information, Manufacturing Base and Competitors
- Table 142. CONTEC Major Business
- Table 143. CONTEC Industrial Grade DTU Product and Services
- Table 144. CONTEC Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 145. CONTEC Recent Developments/Updates
- Table 146. CONTEC Competitive Strengths & Weaknesses
- Table 147. OMRON Basic Information, Manufacturing Base and Competitors
- Table 148. OMRON Major Business
- Table 149. OMRON Industrial Grade DTU Product and Services
- Table 150. OMRON Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 151. OMRON Recent Developments/Updates
- Table 152. OMRON Competitive Strengths & Weaknesses
- Table 153. Four-Faith Basic Information, Manufacturing Base and Competitors
- Table 154. Four-Faith Major Business
- Table 155. Four-Faith Industrial Grade DTU Product and Services
- Table 156. Four-Faith Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 157. Four-Faith Recent Developments/Updates

- Table 158. Four-Faith Competitive Strengths & Weaknesses
- Table 159. Hongdian Basic Information, Manufacturing Base and Competitors
- Table 160. Hongdian Major Business
- Table 161. Hongdian Industrial Grade DTU Product and Services
- Table 162. Hongdian Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 163. Hongdian Recent Developments/Updates
- Table 164. Hongdian Competitive Strengths & Weaknesses
- Table 165. USR IOT Basic Information, Manufacturing Base and Competitors
- Table 166. USR IOT Major Business
- Table 167. USR IOT Industrial Grade DTU Product and Services
- Table 168. USR IOT Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 169. USR IOT Recent Developments/Updates
- Table 170. USR IOT Competitive Strengths & Weaknesses
- Table 171. InHand Networks Basic Information, Manufacturing Base and Competitors
- Table 172. InHand Networks Major Business
- Table 173. InHand Networks Industrial Grade DTU Product and Services
- Table 174. InHand Networks Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 175. InHand Networks Recent Developments/Updates
- Table 176. InHand Networks Competitive Strengths & Weaknesses
- Table 177. Robustel Basic Information, Manufacturing Base and Competitors
- Table 178. Robustel Major Business
- Table 179. Robustel Industrial Grade DTU Product and Services
- Table 180. Robustel Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 181. Robustel Recent Developments/Updates
- Table 182. Robustel Competitive Strengths & Weaknesses
- Table 183. Milesight Basic Information, Manufacturing Base and Competitors
- Table 184. Milesight Major Business
- Table 185. Milesight Industrial Grade DTU Product and Services
- Table 186. Milesight Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 187. Milesight Recent Developments/Updates
- Table 188. Milesight Competitive Strengths & Weaknesses
- Table 189. TOP-IOT Basic Information, Manufacturing Base and Competitors
- Table 190. TOP-IOT Major Business

- Table 191. TOP-IOT Industrial Grade DTU Product and Services
- Table 192. TOP-IOT Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 193. TOP-IOT Recent Developments/Updates
- Table 194. TOP-IOT Competitive Strengths & Weaknesses
- Table 195. Ebyte Basic Information, Manufacturing Base and Competitors
- Table 196. Ebyte Major Business
- Table 197. Ebyte Industrial Grade DTU Product and Services
- Table 198. Ebyte Industrial Grade DTU Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 199. Ebyte Recent Developments/Updates
- Table 200. Ebyte Competitive Strengths & Weaknesses
- Table 201. Global Key Players of Industrial Grade DTU Upstream (Raw Materials)
- Table 202. Global Industrial Grade DTU Typical Customers
- Table 203. Industrial Grade DTU Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Industrial Grade DTU Picture

Figure 2. World Industrial Grade DTU Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Industrial Grade DTU Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Industrial Grade DTU Production (2021-2032) & (K Units)

Figure 5. World Industrial Grade DTU Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Industrial Grade DTU Production Value Market Share by Region (2021-2032)

Figure 7. World Industrial Grade DTU Production Market Share by Region (2021-2032)

Figure 8. North America Industrial Grade DTU Production (2021-2032) & (K Units)

Figure 9. Europe Industrial Grade DTU Production (2021-2032) & (K Units)

Figure 10. China Industrial Grade DTU Production (2021-2032) & (K Units)

Figure 11. Japan Industrial Grade DTU Production (2021-2032) & (K Units)

Figure 12. Industrial Grade DTU Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 15. World Industrial Grade DTU Consumption Market Share by Region (2021-2032)

Figure 16. United States Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 17. China Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 18. Europe Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 19. Japan Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 20. South Korea Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 21. ASEAN Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 22. India Industrial Grade DTU Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Industrial Grade DTU by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Industrial Grade DTU Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Industrial Grade DTU Markets in 2025

Figure 26. United States VS China: Industrial Grade DTU Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Industrial Grade DTU Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Industrial Grade DTU Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Industrial Grade DTU Production Market Share 2025

Figure 30. China Based Manufacturers Industrial Grade DTU Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Industrial Grade DTU Production Market Share 2025

Figure 32. World Industrial Grade DTU Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Industrial Grade DTU Production Value Market Share by Type in 2025

Figure 34. 4G

Figure 35. 5G

Figure 36. Other

Figure 37. World Industrial Grade DTU Production Market Share by Type (2021-2032)

Figure 38. World Industrial Grade DTU Production Value Market Share by Type (2021-2032)

Figure 39. World Industrial Grade DTU Average Price by Type (2021-2032) & (US\$/Unit)

Figure 40. World Industrial Grade DTU Production Value by Transmission Mode, (USD Million), 2021 & 2025 & 2032

Figure 41. World Industrial Grade DTU Production Value Market Share by Transmission Mode in 2025

Figure 42. Transparent Transmission DTU

Figure 43. Protocol Conversion DTU

Figure 44. Data Acquisition DTU

Figure 45. Edge Computing DTU

Figure 46. World Industrial Grade DTU Production Market Share by Transmission Mode (2021-2032)

Figure 47. World Industrial Grade DTU Production Value Market Share by Transmission Mode (2021-2032)

Figure 48. World Industrial Grade DTU Average Price by Transmission Mode (2021-2032) & (US\$/Unit)

Figure 49. World Industrial Grade DTU Production Value by Mounting Method, (USD Million), 2021 & 2025 & 2032

Figure 50. World Industrial Grade DTU Production Value Market Share by Mounting Method in 2025

Figure 51. DIN Rail DTU

Figure 52. Wall-Mounted DTU

Figure 53. Embedded DTU

Figure 54. Cabinet-Mounted DTU

Figure 55. Other

Figure 56. World Industrial Grade DTU Production Market Share by Mounting Method (2021-2032)

Figure 57. World Industrial Grade DTU Production Value Market Share by Mounting Method (2021-2032)

Figure 58. World Industrial Grade DTU Average Price by Mounting Method (2021-2032) & (US\$/Unit)

Figure 59. World Industrial Grade DTU Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Industrial Grade DTU Production Value Market Share by Application in 2025

Figure 61. Electricity

Figure 62. Oil

Figure 63. Coal Mine

Figure 64. Communication

Figure 65. Other

Figure 66. World Industrial Grade DTU Production Market Share by Application (2021-2032)

Figure 67. World Industrial Grade DTU Production Value Market Share by Application (2021-2032)

Figure 68. World Industrial Grade DTU Average Price by Application (2021-2032) & (US\$/Unit)

Figure 69. Industrial Grade DTU Industry Chain

Figure 70. Industrial Grade DTU Procurement Model

Figure 71. Industrial Grade DTU Sales Model

Figure 72. Industrial Grade DTU Sales Channels, Direct Sales, and Distribution

Figure 73. Methodology

Figure 74. Research Process and Data Source

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