

Price of 830nm Laser Diode in the Middle East



AI Overview

The price of 830nm laser diodes varies widely from around \$50 for low-power units to several thousand dollars for high-power or fiber-coupled modules, depending on specifications and supplier.

Pricing Overview

- Low-power multimode diodes (100mW – 1W):** Typically range from \$50 to \$200 per unit, suitable for basic electronic or laboratory applications (Sheaumann Laser, Alibaba).
- Medium-power diodes (2W – 10W):** Fiber-coupled or multimode diodes with higher stability and output can cost \$500 to \$1,500, depending on options like PM fiber or FBG for narrow emission spectrum (AeroDIODE).
- High-power diodes (10W – 30W):** Industrial or OEM-grade modules, often with integrated cooling and drivers, can range from \$2,000 to \$5,000 or more per unit (Sheaumann Laser, RPMC Lasers).

Factors Affecting Price

- Beam Type:** Single-mode diodes are generally more expensive than multimode due to higher beam quality.
- Fiber Coupling:** Modules with fiber-coupled outputs (FC/APC or PM fiber) add to the cost.
- Power Output:** Higher wattage diodes significantly increase the price.
- Integrated Modules:** Turn-key modules with TEC regulation, air cooling, or GUI control are priced higher.
- Supplier and Shipping:** Prices may vary depending on whether the supplier ships internationally to the Middle East and any import duties or taxes.

Sourcing Options in the Middle East

- International Distributors:** Mouser Electronics and RPMC Lasers ship globally and can provide datasheets, pricing, and technical support for Middle East customers.
- Wholesale Platforms:** Alibaba offers multiple suppliers for bulk orders, which may reduce per-unit cost but requires verification of shipping and customs compliance.
- Direct Manufacturer Contact:** AeroDIODE and Sheaumann Laser provide custom configurations and can quote prices for Middle East delivery.
- Recommendation:** For accurate pricing in the Middle...

Article Content

830nm Laser Diodes

All Brands on One Site, Compare 830nm Laser Diode Specifications and Pricing, Unbiased SELECTION GUIDE, Research All of Your Choices and Select the Best

830nm Single Mode Infrared Laser Diode

High power 830nm single mode infrared laser diode offers the most intense and powerful IR laser radiation efficiently. Get reliable 830nm IR laser diode from

830nm Laser Diode, 200mW (SINGLE MODE)

These single mode Fabry-Perot laser diodes are centered at 830nm and offer output power up to 200mW. They are offered in an industry standard butterfly package

Global GaN Laser Diodes Market Size, Industry Share, Trends

GaN Laser Diodes Market in Middle East & Africa The Middle East & Africa region is witnessing nascent but strategic growth in GaN laser diode applications, primarily driven by

V105Q121A-850 ams OSRAM | ams OSRAM V105Q121A-850 Laser Diode

Laser Type Diode Optical Output Power 3W Number of Pins 4 Packaging Tape and Reel Mount Type Surface Minimum Operating Temperature -20°C Maximum Operating Temperature 85°C Height

20mw 830nm Infrared Laser Dot Module 3~5V : Buy Online at Best

Product description Features: Output Power 20mw Wavelength 830nm Working Voltage 3-5.0VDC Working Current <80mA Laser Shape Dot LD 30mw Dimensions ?12mmX35mm Detail: This module

830nm Lasers | RPMC Lasers Inc

830nm Laser Diodes - free space and fiber coupled options. Contact us for a quote, for technical support, or help in selecting the best laser.

Global GaN Blue Laser Diodes Market Research Report 2026

This report delivers a comprehensive overview of the global GaN Blue Laser Diodes market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the

Laser Engraving Machines Market Trends & Forecast,

LASER ENGRAVING MACHINES MARKET SIZE AND SHARE ANALYSIS - GROWTH TRENDS AND FORECASTS (2026-2033) Laser

830nm FP SM Fiber Module Laser Diode-LD-PD PTE. LTD.

Our 830nm single mode line serves a broad range of applications including optical data storage, printing, laser ranging, illumination, defense, spectral analysis, and graphics.

Insightful Highlights in Multi-Mode Blue Laser Diode Market Report ...

The "Multi-Mode Blue Laser Diode Market" Insights report offers an in-depth and thorough analysis of the market, covering aspects such as size, shares, revenues, segments, drivers, trends,

Laser Diode

The Middle East and Africa laser diode market is projected to grow 11.2% CAGR as Gulf states digitize energy operations and roll out high-capacity optical backbones.

Global GaN Laser Diode Chips Market Size, Share, Trends & Industry ...

GaN Laser Diode Chips Market in Middle East & Africa The Middle East & Africa region presents a nascent but promising landscape for GaN laser diode chips, with growth driven by expanding

Laser Diode Driver Chip Market: 12.7% CAGR, \$2.75B by 2025

Explore Laser Diode Driver Chip market expansion fueled by optical communication and laser radar. Global CAGR of 12.7% projects a \$2.75B valuation. Access data-backed insights.

Laser Engraving Machine Market Size, Industry Share, Forecast, 2034

The global laser engraving machine market to reach USD 15.58 billion by 2034, expanding at a 8.62% CAGR during the forecast period 2026-2034.

830nm Lasers | RPMC Lasers Inc

830nm Lasers What are 830nm Lasers? 830nm IR laser diodes and IR laser modules are available with both single-mode and multi-mode beam profiles. They have either free space or fiber coupled

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High Power Direct Diode Lasers (DDLs) Market Research Report

The High Power Direct Diode Lasers (DDLs) market prioritizes cost-effectiveness and resource optimization, with an expected CAGR of 8.2% from 2023 to 2030, driving advancements across

price list

CHIP-650-P30, 650 nm, 30 mW, laser diode chip, (no guarantee on bare dies!)
CHIP-660-P100, 660 nm, 100 mW, laser diode chip, (no guarantee on bare dies!)
CHIP-980-P52, 976 nm, 50 mW, laser

Laser 830nm diode-AliExpress

For example, the 808nm laser diode is often used in laser pointers and optical communication, while the 850nm laser diode is popular in fiber optic systems. The 830nm diode is a good middle ground,

Photobiomodulation Market Size, Share & Forecast,

However, the capital cost of setting up the required laser equipment for treatment is substantial. Commonly used wavelengths such as 635nm, 670nm,

Global High Power Blue Laser Diode Market Research Report 2026

Chapter 2: Provides a detailed analysis of the competitive landscape for High Power Blue Laser Diode manufacturers, including prices, production, value-based market shares, latest development plans,

Laser Hair Removal

Segment Analysis In 2025, the diode laser held 34.45% of the global laser hair removal market share, making it the leading laser type. Its popularity stems from a strong clinical track record,

Laser Hair Removal Market Share & Opportunities 2026

The diode laser segment is expected to dominate the global laser hair removal market, accounting for 34.5% of the market share in 2026.

830 nm laser diode from 200 mW up to 20 W – fiber

Scroll down to see all configurations and prices. These fiber-coupled 830nm laser diodes are offered as stock items or associated with a CW or Pulsed Laser

830nm 100mW Pigtailed Laser Diode

Pigtailed Laser Diode Modules are available with VIS and NIR wavelengths ranging from 405 to 1550nm, with output powers ranging from 1 to 100mW. Their plug and play operation make these laser diodes

Laser Technology Market Size, Outlook & Share

By application, material processing represented 47.12% of the laser technology market size in 2025, whereas automotive LiDAR is forecast to

Contact Us

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