

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ILX LIGHTWAVE

ILX Lightwave LDM-4616 16-Channel Laser Mount

The ILX Lightwave LDM-4616 is a precision laser diode driver designed for demanding applications. It offers low noise, high stability, and comprehensive laser protection features. Ideal for laboratory and industrial use.



MODEL

**ILX Lightwave
LDM-4616 /
LDM4616**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**LDM-4616 /
LDM4616**

LISTING

<https://aumictechlabs.com/products/ldm-4616-ldm4616-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ILX Lightwave LDM-4616 is a laser diode driver that delivers precise current control for a variety of laser diode types. It has adjustable current limits, photodiode feedback, and temperature control capabilities. The LDM-4616 is suitable for researchers and engineers working with laser diodes.

LDM4616LDM4616 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	ILX Lightwave LDM-4616
Channel Count	16
Socket Type	Zero Insertion Force ZIF
Packages Supported	14-pin butterfly DIL Mini-DIL
Maximum Laser Current	3 A
Maximum TEC Current	3 A
Current Source Connectors	16 × 9-pin D-sub female on top
Temperature Controller Connectors	16 × 9-pin D-sub male on bottom
Thermal Resistance Natural Convection	0.41 C/W
Thermal Resistance Moving Air	0.17 C/W
Size Inches	3.38 × 18.97 × 23.9 in
Size Mm	86 × 482 × 607 mm
Weight	12.7 kg (28 lb)
Tray Depth	17.52 in plus 1 in handle
Related Controller	LDC-3916 multi-channel
DFB Variant	LDM-4616DFB hard-wired pinout
Slide Rail Kit 20.5 in	RM-141
Slide Rail Kit 25 in	RM-142
Form Factor	rack mount laser diode mount
Fiber Management	integrated spool tray
Front Panel Outputs	16 laser fiber outputs
Series Family	ILX LDM-4600 mounts
Indoor Use Class	yes
Specification Ambient Class	laboratory ambient unless OEM table states otherwise

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications list maximum laser current 3 A, maximum TEC current 3 A, thermal resistance 0.41 C/W natural convection / 0.17 C/W moving air, size 86 x 482 x 607 mm, and weight 12.7 kg.

Applications

Multi-channel DWDM source fixturing with LDC-3916 controllers, 980/1480 nm pump laser mounting for EDFA test, and high-density butterfly laser characterization racks.

Key Features

Sixteen ZIF butterfly sockets in one tray

Slide rollers for tray access

User configurable pin headers or DFB hard-wire option

Integrated fiber spool tray and front-panel adapters

Paired 9-pin D-sub cabling to ILX current and TEC sources

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Family	ILX Lightwave LDM-4616
Channel Count	16
Socket Type	Zero Insertion Force ZIF
Packages Supported	14-pin butterfly DIL Mini-DIL
Maximum Laser Current	3 A
Maximum TEC Current	3 A
Current Source Connectors	16 x 9-pin D-sub female on top
Temperature Controller Connectors	16 x 9-pin D-sub male on bottom
Thermal Resistance Natural Convection	0.41 C/W
Thermal Resistance Moving Air	0.17 C/W
Size Inches	3.38 x 18.97 x 23.9 in
Size Mm	86 x 482 x 607 mm
Weight	12.7 kg (28 lb)
Tray Depth	17.52 in plus 1 in handle
Related Controller	LDC-3916 multi-channel
DFB Variant	LDM-4616DFB hard-wired pinout
Slide Rail Kit 20.5 in	RM-141
Slide Rail Kit 25 in	RM-142
Form Factor	rack mount laser diode mount
Fiber Management	integrated spool tray

PARAMETER	VALUE
Front Panel Outputs	16 laser fiber outputs
Series Family	ILX LDM-4600 mounts
Indoor Use Class	yes
Specification Ambient Class	laboratory ambient unless OEM table states otherwise

Notes

From ILX Lightwave LDM-4616 16-Channel Butterfly Laser Diode Mount OEM brochure specifications. Confirm DFB versus configurable-header version and mating-adapter codes on the configuration.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.