OBIS LX and OBIS LS laser products come with a variety of accessories to support your application needs.

As with all OBIS LX and OBIS LS lasers, the laser itself offers a stand-alone all-in-one laser solution. The OBIS laser comes with a Power Connection, USB Connection, Fan Connection and a SDR-type Connection for laser control I/O. All of these are located on the back panel of the OBIS LX/LS laser.

To simplify integration, Coherent offers a separate OBIS LX/LS Heat Sink with an integrated fan. The Heat Sink offers a convenient way to raise the laser beam height off the table and provide thermal management. The fan simply plugs into the back of the OBIS LX or OBIS LS laser to receive 12V DC power from the OBIS LX or OBIS LS laser.

FEATURES
- Small footprint
- Rugged design
- Precision dowel pin laser positioning
- Convenient 69 mm (2.7 inch) beam height
- Integrated cooling fan with vibration isolation
- Output beam centered on standard table bolt pattern
- Universal mounting to imperial or metric bolt pattern
- Proven stable performance over time and temperature
- Fan power connector plugs directly to OBIS Laser Head
- Laser can be mounted on top for vertical polarization or side for horizontal polarization
OBIS LX/LS Heat Sink (part # 1193289)

Top and Side Mount Plug Holes
Allow for Heat Sink to be mounted in either direction. Need horizontal polarization – mount the Heat Sink with the laser on the side.

Top Mount Plug Holes
Remove Plastic Hole Plugs to Install Screws (provided) to Mount onto Table

Side Mount Plug Holes
Optional: Mount Heat Sink on its side for special applications that may require horizontal polarization

Connector 2 Pos
Vendor: Molex
Vendor Part: 51021-0200

Top Mounted

Side Mounted
MECHANICAL SPECIFICATIONS

OBIS LX/LS Heat Sink

Top View

- Threads for Accessory Mounting
- 2 x M4 \( \times 8 \)
- 2 x 8-32 \( \times 8.33 \text{ mm (0.33 in.)} \)
- 4x M3 \( \times 6 \text{ mm (0.24 in.)} \)
- 0.0 OBIS Datum Point
- 3x OBIS Alignment Pins

Front View

- Connector 2 Pos
- Vendor: Molex
- Vendor Part: 51021-0200

Side View

- Fan

Rear View

- 50 mm (1.97 in.)

NOTE: DO NOT use thermal grease or thermal compounds. The use of thermal grease or thermal compounds will void the laser warranty.
## Optional OBIS Laser Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Numbers</th>
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<tr>
<td>OBIS Heat Sink with fan for thermal management, includes hardware to mount to table. Laser can be mounted on top or side for horizontal polarization. Convenient 69 mm (2.7 inch) beam height.</td>
<td>Part Number 1193289 OBIS Heat Sink Mount.</td>
</tr>
<tr>
<td>OBIS LX/LS Laser Box with five laser mounting bays with thermal management, cooling fans, analog/digital inputs, RS-232, USB, key-switch, and interlock in one compact package. Lasers sold separately.</td>
<td>Part Number 1228877 OBIS LX/LS Laser Box, with Power Supply, USB cable, and Coherent Connection applications software. Analog Modulation Impedance = 2k Ω, Digital Modulation Impedance = 50 Ω. Part Number 1343229 OBIS LX/LS Laser Box, with Power Supply, USB cable, and Coherent Connection applications software. Analog Modulation Impedance = 2k Ω, Digital Modulation Impedance = 2k Ω.</td>
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