



The **LUMA™ X** is a high-speed, long-range wireless optical modem designed for underwater communication, offering superior data rates, low latency, and lower power consumption compared to traditional acoustic modems. Its ultra-compact, lightweight design makes it ideal for small ROVs and AUVs, while its energy efficiency is perfect for battery-powered applications. With a high data rate, long range and complete bi-directional transceiver, it also features ad-hoc networking available upon request.

The **LUMA™ X** features a cable interface compatible with Ethernet, allowing it to easily replace cabled connectors in existing systems. This modem excels in various applications, including wireless data retrieval from submerged sensors, high-speed communication for underwater devices, and HD video streaming in deep-sea environments.



SYSTEM SPECIFICATIONS

Dimensions	126 mm x ø 60 mm (4.96 in x ø 2.36 in)
Weight in Air	530 g (18.69 oz)
Weight in Water	125 g (4.41 oz)
Maximum Data Rate	10 Mbit/sec
Maximum Range	50 m (164.04 ft)
Supply Voltage	12 - 36 V
Depth Rating	6000 m, 12000 m * (19685 ft, 39370 ft)
Beam Pattern	120 deg. cone

SYSTEM FEATURES

Software Features*	Error Detection FEC Auto-wakeup REST API for Configuration
Power Consumption: Active, Receiving	2 W
Power Consumption: Transmitting	2 - 20 W (typ.)
Connector	SubConn Circular 8 pins DBH8MTI

*ADDITIONAL FEATURES ARE UPGRADEABLE UPON REQUEST.



V2.2602