

WL-11003 Modem M64



DESCRIPTION

The Modem-M64 is a two-way half-duplex 64bps acoustic modem with a robust and user configurable data link.

The M64 is setting a new market standard with its record-breaking physical size, low power requirement and cost. This combination opens new possibilities for underwater communication in both existing and new markets.

Typical applications include AUV telemetry, ROV wireless control, wireless subsea sensors and other scenarios where you need to wirelessly control and monitor subsea equipment.

KEY FEATURES

- Omnidirectional operation which will keep the data link stable even when the modem is in motion and/or being rotated around its axes.
- Fully self-contained with no requirements for external computers, top-side controllers or other devices.
- The integrated status LED makes it easy to confirm that the communication link is established and when data is transferred.
- Serial 9600 baud UART 3,3V interface makes the M64 easy to integrate with other subsea equipment like sensors, ROVs and AUVs.

- Extremely small size enabling easy integration in other equipment.
- Very low power consumption.
- Highly robust operation, also in areas with acoustic reflections (shallow water, around installations etc.)
- Standard depth rated to 300 meters. Other depth ratings available on request.
- Stable net datalink of 64 bit per second with a typical latency of ~500ms.
- Fully featured API.



MECHANICAL

Device length	: 112 mm
Device width	: 30 mm
Device weight (air)	: 128 gram
Depth rating	: 300 meters
Material	: PEEK
Operating temperature	: -5 to 60 °C

ACOUSTIC / COMM

Range
Frequency
Communication

: 200 meters : 100-200kHz : UART 9600 baud serial, 3,3V :1 MB

APPROVALS

RoHS compliant

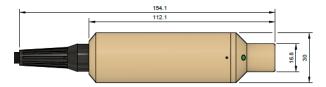
Data buffer

CE

ELECTRICAL

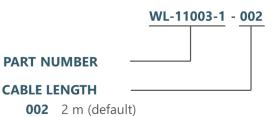
Input voltage	: 10-18 V
Power consumption Physical interface	: 216 mAh at 12V : Open ended cable, 4 wires (pwr/serial)
Indicator	: Status LED

DIMENSIONS



Sync, Search, Data

ORDERING GUIDE



Water Linked reserves all rights to this document and the information contained herein. Products, names, logos and designs described herein may in whole or in part be subject to intellectual property rights. The information contained herein is provided "as-is". No warranty of any kind, either expressed or implied, is made in relation to the accuracy, reliability, fitness for a particular purpose or content of this document. This document may be revised by Water Linked at any time. For most recent documents, please visit www.waterlinked.com Copyright © 2019, Water Linked.

Water Linked AS Stiklestadveien 1 N-7041 TRONDHEIM, NORWAY

+47 90115038 Phone E-Mail: info@waterlinked.com



www.waterlinked.com/facebook www.waterlinked.com/linkedin 🛗 www.waterlinked.com/youtube