

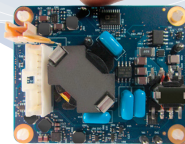
Introducing the New Ultra Compact Modem!

Good things do come in small packages

Teledyne Marine's new **Ultra Compact Modem (UCM)** has arrived! Sized at just 60 x 50 mm, and weighing in at 55 g, the OEM version of the UCM is the smallest acoustic modem ever designed by Teledyne Benthos. The UCM is ideally suited for applications with stringent size and weight limitations such as micro vehicles and smaller subsea instrumentation.

The UCM also delivers:

- Teledyne's 30+ years of a-comms experience and proven signal-processing technology to ensure your data quality.
- Increased transmit power resulting in increased range and improved data reliability.
- Decreased power draw for power critical applications such as micro vehicles and extended instrumentation deployments.
- Operation to 6000 m depth for the OEM package (700 m for self-contained).
- Janus compatibility.



For more information, visit: teledynemarine.com/UCM



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TECHNICAL SPECIFICATIONS

Ultra Compact Modem (UCM)

Frequency Band	20-30 Khz–Wide Band C
Number of Available Addresses	250
Bit Rates	2,560–15,360 bits/sec (PSK transmit); 140–2,400 bits/sec (MFSK transmit/receive); 80 bits/sec (FH transmit/receive)
Tilt Range	0–180° in 1° increments
Tilt Accuracy	±1° in minimal motion conditions
Temperature, Operating	-5°C to 50°C
Temperature, Non-Operating	-45°C to 85°C
Serial Interface	True RS-232
Flow Control	Software XON/XOFF
External DC Input Power	12-36 VDC
Receive Active Power (Max)	360 mW
Receive Active Power (Typical)	345 mW
Average Transmit Power	4 W
Peak Transmit Power	10 W
Hibernate State Power (Max)	3.5 mW with 48-sec wakeup period



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