



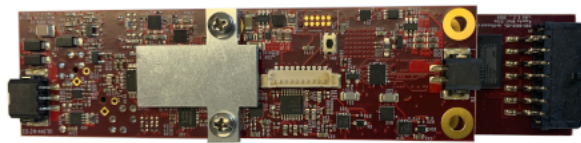
Popoto PMM3511

Product Overview:

The Popoto PMM3511 is the OEM version of Popoto Modem's advanced underwater acoustic modem in a form factor designed to fit within a 41 mm ID tube. With its multiple flexible interfaces, and on-board Python api. The PMM3511 can be the center of your underwater application.

Features:

- Multiple modulation schemes from 80 BPS to 10240 BPS
- Python API for on-board user programming
- MATLAB API for data analysis
- Acoustic ranging (Accurate to <0.3m)
- High-capacity data logging (SD Card)
- Baseband and passband waveform playback and recording



\$1,975 USD*

*circuit boards only





Data Transfer	
Data Rates	80 bps with Frequency Hopping FSK 10240, 5120, 2560, 1280, 640 bps with PSK
Storage	128 GB on included uSD Expandable with optional SATA Drive
Range	1-4 km depending on conditions and modulation scheme selected.
Frequencies	22-35 KHz selectable
Transducer Type	20-30 KHz Omnidirectional
Power	
Operating Voltage Range	12-40V
Power Draw	GPIO Enabled Sleep: < 10uW Acoustic Wake Up Deep Sleep: <45 mW Acoustic Wake Up Sleep: 150 mW Active Receive: 1.5 W
Transmit Power	20 W
Battery	22.2V 2500mAh Li-Ion
Interface	
Data Connections	Ethernet, RS-422, RS-232
External Interface Connections	SPI Bus, I2C Bus, GPIO, Analog
APIs	Python, C++, MATLAB, JSON
Linux Operating System	ARM9 Running Linux available for user applications
Hardware	
Size	35mm x 30mm x 125mm
Weight	95g
Export Classifications	5A991 Controlled for anti-terrorism only

