RTS Gen 5 OCTO
ROV and survey multiplexer

Based on the technology of the Gen 5 MUX, RTS now introduces the Gen 5 OCTO Multiplexer. The OCTO features a significant reduction in size and weight while still supplying five channels of high speed serial communication and three channels of 10/100 Mb ethernet through a single-mode fiber. The rugged yet compact 3000 MSW rated titanium housing provides a safe and robust hub for transfer of subsea data, ideal for both work class and smaller ROVs or projects requiring extended communications capabilities. System diagnostics, optional fibre adaptors and channel modifications adds to the flexibility of the system.

Specifications

Product	RTS Gen 5 OCTO
Country of origin	Norway
Manufacturer	Rental Technology & Services AS

Dimensions

Subsea Unit	411mm x Ø 169mm	
Surface Unit	482,6mm(W) x 3U (H) x 260mm (D)	

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Main features

- Compact size
- Low weight
- Titanium housing
- Tailored for interfacing with R2Sonic Multibeam systems

- Ethernet 10/100Mb
- Dedicated INS Channel
- Composite Video (Optional)
- Extremely low latency

Channels

OCTO		
2 x 10/100 Mb, 48 VDC	MCBH-8F	
1 x 10/100 Mb, PPS, 24 VDC (INS)	5506-2013	
3 x RS232, 24 VDC	MCBH-6F	(Optional: 3 x Composite Video)
1 x RS232, PPS, 24 VDC	1 x RS422	
1 x RS422	MCBH-8F	(Optional: RS485)
1 x AC Input, 90-260 VAC	MCBH-4M	

Power

Subsea Unit		
Voltage requirement	85 - 264 VAC	
Power requirement	500 W Max	
Output power	24 VDC: 200 W Max 48 VDC: 200 W Max	

Environmental

Subsea Unit		
Operating ambient temperature	-2°C to +35°C	
Depth rating	3000m	
Weight in air	17 kg ± 0,5 kg	(Optional: 3 x Composite Video)
Weight in water	8 kg ± 0,5 kg	
Housing	Titanium	(Optional: RS485)

Other

- Remote control software
- Individual voltage and current monitor for each channel
- Internal humidity and temperature monitor
- All serial channels capable of up to 900 kbps
- Water ingress detection

Options

- Schilling adaptor POD for fibre assembly
- Plugable fibre assembly

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