

Q-LINK

Ethernet extender



Underwater IP high speed data extender over a single twisted pair (STP) cable.

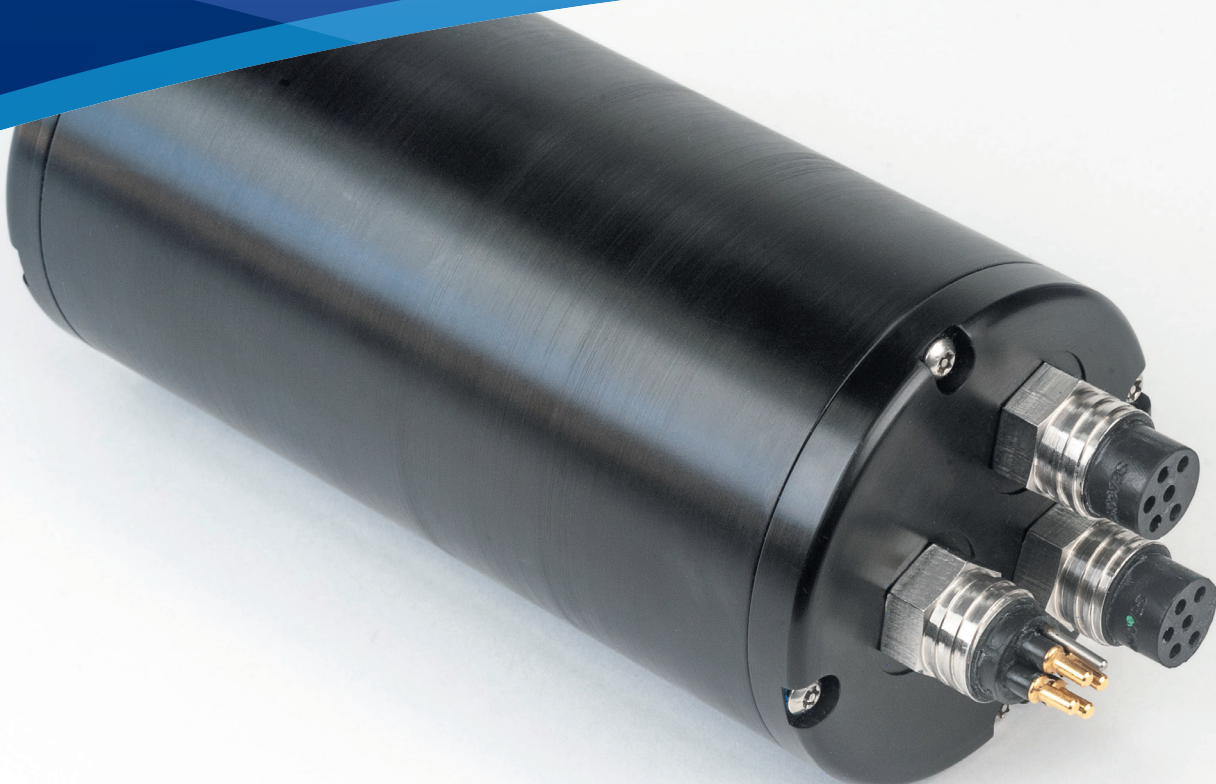
Part of the OTAQ Eagle IP range, Q-Link is a subsea 10/100 ethernet extender unit that allows the use of ethernet based devices when only a shielded twisted pair (STP) or COAX cable is available.

The system comprises a subsea module and a topside unit with a proven operating distance of up to 1km (tether & application dependant). Q-LINK is ideal for enhancing non fibre optic inspection class ROVs by enabling the integration of a variety of ethernet devices including cameras.

Our 300m Acetal variants are extremely lightweight making them perfect for use with compact ROVs. Q-LINK is an ideal partner to the OTAQ range of Eagle IP underwater cameras.

Suitable Applications

- Inspection class ROVs with no fibre optic link
- Commercial ROVs of all sizes
- Monitoring platforms
- Landers
- Marine renewables inspection
- Touchdown monitoring



Underwater Ethernet Extender that provides full high speed ethernet over a single twisted pair (STP) cable

Model	1 to 3 CH 300M ACE	1 to 3 CH 1000M AA
Material	Acetal	Anodised Aluminium
Depth rating *	300m	1000m
Maximum STP cable length	1000m	1000m
Weight (in air)	1kg	1.7kg
Weight (in water)	-0.1kg	0.6kg
Data	10/100 BaseT Ethernet	10/100 BaseT Ethernet
Power	18-30vDC @ 300mA	18-30vDC @ 300mA
Power and STP connector	MCBH4M	MCBH4M
IP Connector	1 to 4 x MCBH6F	1 to 4 x MCBH6F
Part no	OS-130100	OS-130105

CASE STUDY

Seaeye Tiger Trial

- 930m total transmission distance
- 660m Umbilical, 240m Tether & 30m deck cable
- Winch Slip Ring Focal Model 176
- TMS Slip Ring Focal Model 180
- 250VDC power supply, thrusters & lights on full

Results

- 1 x OTAQ IP camera operated at 1080p @ 25 fps
- no degradation
- 2 x OTAQ IP cameras operated at 720p @ 18 fps
- both cameras in sync, no degradation

Full case study available upon request

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