

MultiCom III



This unit is under construction

Features:

SeaBat 8125/ EM3000 compatible, RS232/RS485 Channels, Ethernet channel.
 Easy ROV interfacing, Only one SM fiber and 110VAC power is required to run system.
 Power on each subsea input connector can be controlled by switches on the surface unit.

Specification (Preliminary):

Topside unit:

Dimension	:	19" Rack, 2 HE,
Power supply	:	100 – 240V AC , approx 100W
Sonar output CH1	:	BNC, Diff PECL output,(SeaBat 8125/ EM3000) compatible
Sonar output CH2	:	BNC, Diff PECL output,(SeaBat 8125/ EM3000) compatible
Ethernet CH3	:	RJ 45, 10/100Mb, Duplex
RS232 CH4	:	RJ 45, up to 115kbps. Duplex, RS485 optional
RS232 CH5	:	RJ 45, up to 115kbps. Duplex, RS485 optional
CTD input CH6	:	CTD RS232 data input, for distribution to sonar PU
Indicators	:	LED, Data carrier OK, Power on channel....
Panel Controls	:	Power switch for each subsea channel.



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Sub sea unit:

Dimension	:	Approx Ø 178mm
	:	Approx length 340mm + connectors
Weight	:	--- Not Available
Material	:	Hard anodised aluminium, 2000MSW(standard)
Power requirements	:	100-240V AC / max 5A (300 W PSU)
Sonar		
Input connector 1	:	CH 1 Diff PECL input, (SeaBat 8125/ EM3000) compatible 156Mbps PECL Simplex
		CH 3 RS232/RS485 Simplex/Duplex. Power Output, 24V 6A
Sonar		
Input connector 2	:	CH2 Diff PECL input, (SeaBat 8125/ EM3000) compatible 156Mbps PECL Simplex
		CH4 RS232/RS485 Simplex/Duplex Power Output, 24V 6A
Optional		
Input connector 3	:	Ethernet 10/100Mbps Power Output, 24V 6A
Optical Interface	:	One single mode fiber
Optical wavelength	:	Multi channel CWDM technology,1310nm to 1610nm
Optical cable	:	Fiber assy, penetrator shell size 20
Electrical interface	:	8 pin Seacon 5506-2008-0004 (or Standard 8-pin Burton) Shell size 20