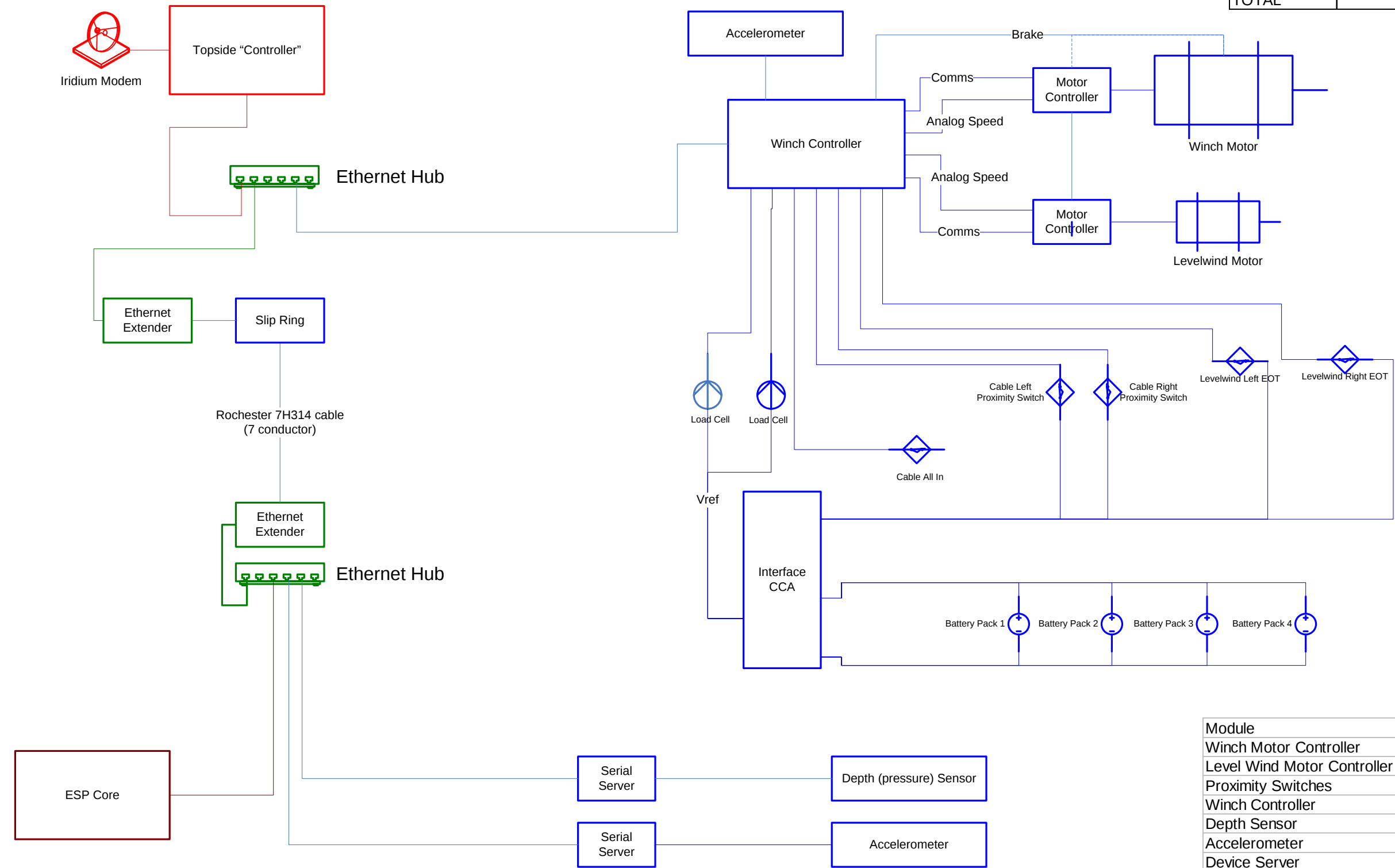


Drifting/Profiling ESP Block Diagram

Feb 24, 09

Instrument	Sample size (Bytes/S)	Sample Rate (S/sec)	Bit Rate (b/sec 10b/B)
Accelerometer	100	10	10000
Depth	2	10	200
ESP Image	93750	6.94E-05	65
CTD			
TOTAL			10265



Module	Voltage (VDC)	Current (A)
Winch Motor Controller	75	5 (7.5 desirable)
Level Wind Motor Controller	75	2
Proximity Switches	10-30	0.2
Winch Controller	5-7.5	2
Depth Sensor	6-30	0.03
Accelerometer	5.2-9.0	0.9
Device Server	3.3	0.25
Ethernet Extender		
Ethernet Hub		
Iridium Modem	4-32	0.85 (@ 5VDC)
Topside Controller		