

Ultralink Module (ULM)

The ULM enables you to acquire data from GE's range of Ultrawire tools

The ULM can be incorporated into almost any surface panel in order to create a GE acquisition system. The Ultralink Module encodes downlink communication signals from a computer at surface for a GE downhole toolstring, and decodes logging data sent from the toolstring to the surface. It contains a sophisticated digital signal processor and Ultralink modem to communicate down and up the wireline with the downhole XTU (crossover telemetry unit). The ULM also conditions power from an external PSU for connection to the wireline and downhole toolstring. A USB interface connects the ULM with the host surface computer system.

Ultralink Features

- Bit-rate of 50-142 kbit/s
- Rugged performance on a broad variety of wireline cables
- Time-stamping of data, for precise correlation with depth encoder
- Data integrity word-parity and frame-CRC checking
- Data interleaving for large datasets
- Downlink to write parameters to intelligent tools
- Mono-pin connector telemetry
- Automatic toolstring enumeration
- Automatic polling sequence generation



Specifications

Height	1.18 in. (30 mm)	
Depth	6.10 in. (155 mm)	
Width	9.06 in. (230 mm)	
Weight	1.1 lb (500 g)	
Max Temperature	122°F (50°C)	
Operating Voltages	±12 Vdc @ 90 mA	+ 5 Vdc @350 mA
Line PSU	0-600 Vdc max. @ 0-2 A max.	
Data Rate	50, 71, 100, 142 kbit/sec	

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