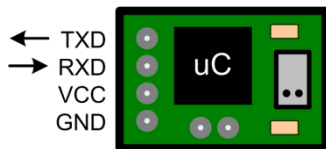


Hexpert Systems Z6 Altimeter Module



The Hexpert Systems ZLog-6 altimeter Module (Z6M) provides your hardware with highly accurate measurements of temperature, pressure, and altitude (pressure altitude). The sensor uses an internal 24-bit analog-to-digital converter (ADC) to measure the temperature and pressure. The onboard microcontroller performs temperature compensation for atmospheric pressure, then converts the pressure to a pressure altitude value based on the U.S. Standard Atmospheric Model.

Layout:



Interface:

- 9600 baud
- No parity
- 8 data
- 1 stop

Specifications:

Parameter	Value	Unit
VCC	1.8 – 3.6	Volts
RXD, TXD pins	5 volt tolerant	Volts
Temperature Range	-40 to +85	°C
Temperature Resolution	0.01	°C
Pressure Range	10 to 1200	Millibar
Pressure Resolution	0.024	Millibar
Altitude Range	-5000 to +100,000	Feet
Altitude Resolution	1	Foot
Maximum Sampling Rate	10	Hz
Operating Temperature Range	-40 to +85	°C
Dimensions	0.75 x 0.5 x 0.14	Inch
Dimensions	19 x 12.7 x 3.6	mm
Weight	1	gram

Commands

See: <http://www.hexpertsystems.com/zlog/ZLog6-SerialProtocol.pdf> for the list of serial commands.