



## Q-Pro by QUAKE™

### Customizable Dual-mode Iridium/GSM/GPS Modem

- Fully user programmable standalone solution
- Tested to meet or exceed J1455 and IP67 requirements
- 22 channel GPS
- 8MB RAM, 8MB Flash
- Data Rates: 2400 bps Uplink / 4800 bps Downlink
- Individual inputs can be specifically configured to continuously monitor sensors and to report at selected intervals
- Alarm conditions can be pre-programmed to report the condition automatically and immediately
- Reports can be generated on a regular schedule, by exception-only reporting or a combination of both
- Environmentally sealed IP67 sealed enclosure

## Product Information

Absolute Software, a Value Added Reseller for QUAKE Global™, is pleased to offer Q-Pro satellite data modem.

The Q-Pro is a small, rugged, environmentally-sealed module with numerous customization options including network access, inputs/outputs, memory and an application programming interface (API). The Q-Pro delivers reliable one or two-way data communications through the Iridium® constellation of Low Earth Orbit (LEO) satellites, as well as through terrestrial GSM networks. For location and navigational applications, the Q-Pro is equipped with an advanced 22-channel GPS system.

The Q-Pro provides economical two-way machine-to-machine (M2M) and business to business internet communications with land, marine or aviation based assets and equipment anywhere in the world. The Q-Pro can cost-effectively retrieve data automatically from isolated power substations or remote metering facilities such as oil and gas supply stations. Mobile assets such as trucks, ships and containers can also be more effectively monitored and managed. Designed for multiple applications, the Q-Pro is a flexible solution that can be utilized by both original equipment manufacturers (OEMs) and low-volume users. This self-contained solution is also a great option for any developer that is facing an accelerated time-to-market requirement.



The QUAKE Q-Pro shown with the Absolute-DX Mobile Data Terminal

The QUAKE Q-Pro paired with the Absolute-DX Mobile Data Terminal offers a complete and economical solution for fleet management, dispatching, messaging, reporting, mapping, navigation and more. The Absolute-DX is a full-featured mobile data terminal.

This rugged and reliable terminal is perfect for demanding applications and environments, like those encountered in fleet management and transportation services.

## Q-Pro Specifications & Features

Feature	Description
Size	4.69" x 4.7" x 2.27" (119.2mm x 119.4mm x 57.6mm)
Weight	.85lbs (390.6 grams)
External Power Source	6-32 VDC*
Operating Temperature	-40C to + 85C
Storage Temperature	-50C to + 85C
Memory	Flash: up to 8M
	RAM: up to 8M
GPS	22 Channels
Digital Inputs/Outputs	2 Analog Inputs
	Up to 8 Digital GPIOs
	4 Digital Outputs (RELAY)
Data Interfaces**	3 Serial RS-232C
	J1939 Can Bus
Communications – GSM/GPRS	Quad Band Operations
	GSM 850/900/1800/1900 MHz
	SMTP, POP3, SMS, TCP, GPRS
Communications – Iridium	Transmit Freq: 1616 - 1626.5 MHz
	Transmit Power: 2 W
	Packet Size: Tx 340 bytes / Rx 270 bytes
Power Consumption	12V
	Transmit GSM: 0.2 A (Nominal)
	Transmit Iridium: 550-850 mA (Nominal)
	Sleep: 30 uA
Type Approval	FCC
	PTCRB
	CE
	RoHS Complaint
Certifications and Compliance	IP 67
	J1 455

\*Satellite Tx requires a minimum of 10.5 VDC

\*\*Depending on the model number and serial ports memory

## Q-Pro Options

Feature	Availability
GPS Position Reporting, Alarms and Events	✓
Digital Inputs (i.e. door sensors, panic alarm)	✓
Electronic Forms (Driver Logbooks, Custom Forms)	✓
Radio Frequency ID Tag Collection	✓
Engine Management Data (J1939/CAN Bus)	✓
Live Engine Diagnostics (Realtime J1939 access)	
Internet/Intranet Web Access (including VPN)	
Local Vehicle WiFi Access Point	
Full Email (including attachments)	
Short Email / Short Messaging Services	✓
Voice	
Coverage Area	Global

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