



RAC-88

RUGGED ACQUISITION SYSTEM

RAC-88 STANDARD PACKAGE:

- Anodized Aluminum Enclosure
- cDAQ 9188 8-slot Chassis
- Dimensions: 8" x 8" x 15"
- 12-24VDC applications
- IP67 Rated Connectors

SYSTEM FEATURES:

- Integrated Router & Modem
- Wireless Access Point
- WiFi 802.11
- 10/100BASE-T/X Ethernet port
- External antennas
- Remote Desktop Access
- Optional Cloud Data Streaming

SYSTEM APPLICATIONS:

- Structural Design Validation
- In Vehicle Data Acquisition
- Vibration Testing
- Duty Cycle Testing
- Remote Data Logging

COMMUNICATION OPTIONS:

- Ethernet
- Wi-Fi
- USB
- Cellular (data plan not included)

For More Information and Pricing Contact:

info@itestsystem.com
T: 844-TESTSYS
(844-837-8797)

Integrated Test & Measurement
227 Water Street Suite 300
Milford, OH 45150

The RAC-88 is a rugged, industrial data acquisition system developed for autonomous, long term high speed data logging and automatic data processing. It's Wi-Fi and Cellular 4G Internet connections allow for crucial remote monitoring and test management. This system when equipped with ITM's iTestSystem software is ideal for in-vehicle data logging, structural design validation testing, and customer duty cycle testing.

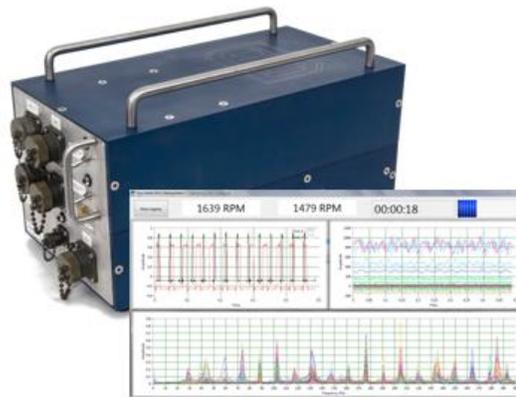


Figure 1. RAC-88 and iTestSystem for Unattended Data Acquisition

RAC-88 Hardware Features

- Standalone High Speed Data-logger
- 2~50 kHz Sample Rate
- On-Board Processor
- Terabytes of Onboard Storage
- CAN and GPS Options
- Cellular Connectivity

iTestSystem Software Features

- Real Time Data Collection
- High Speed Streaming
- Real Time Processing
- Post Test Processing Capabilities

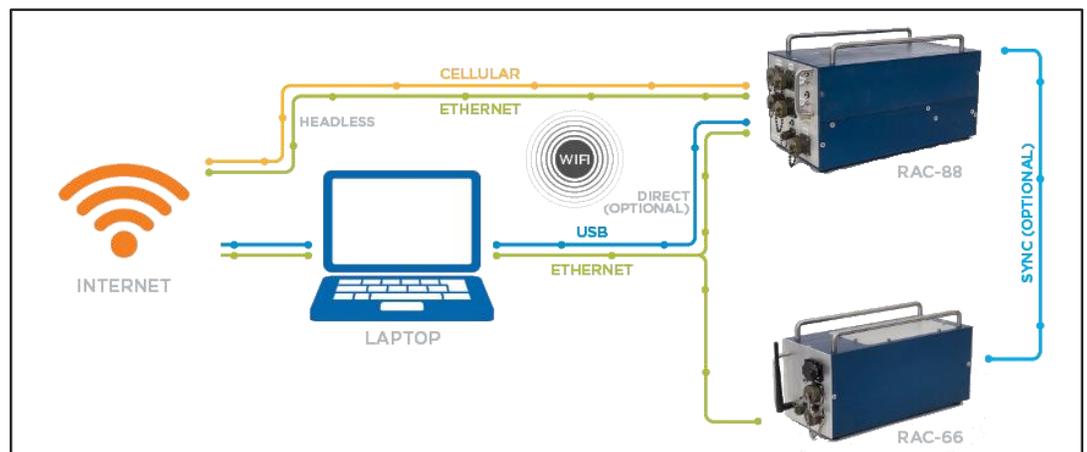


Figure 2. Typical RAC-88 Communication

Ordering Information

Part No.:	Description	Channels	Type*
RAC-88-001	N/A	N/A	Rugged Enclosure, cDAQ 9188 Chassis, No Analog Input Cards
RAC-88-002	Strain	64	350 Ohm, ¼ Bridge Strain Gauges
RAC-88-003	Vibration	32	IEPE Sensors
RAC-88-004	Voltage	32	+/- 60 VDC Sensors
RAC-88-005	Temperature	128	Type K Thermocouple Sensors
RAC-88-###	Mixed Signal	TBD	Customizable Mixed Signal Versions Available

*Sensors and Cellular Data Plans Not Included



INTEGRATED TEST
+ MEASUREMENT

VISIT OUR WEBSITE
iTestSystem.com

...engineering measurement solutions