



RAC-66

RUGGED ACQUISITION SYSTEM

RAC-66 STANDARD PACKAGE:

- Rugged Aluminum Enclosure
- cDAQ 9188 Chassis
- Wireless Access Point
- Internal Battery
- Dimensions 6" x 6" x 14"

WIRELESS SPECIFICATIONS:

- Wireless Access Point
- High-speed data rates of up to 150 Mbps with IEEE 802.11n
- Indoors, up to 100 meters
- Outdoors, up to 300 meters
- 10/100BASE-T/X Ethernet port
- 64/128-bit WEP, WPA/WPA2-RADIUS (AP mode only) and WPA/WPA2-PSK

SYSTEM APPLICATIONS:

- Structural Design Validation
- Roving Hammer Impact Tests
- Vibration Testing
- Temperature Measurements
- Rotating or Mobile Machinery

COMMUNICATION OPTIONS:

- Ethernet
- Wi-Fi

For More Information and Pricing Contact:

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The RAC-66 is a rugged wireless data acquisition system developed for acquiring critical high speed data in harsh environments. Stream up to sixty four (64) strain channels, one hundred twenty eight (128) temperature channels or thirty two (32) vibration or voltage channels to a laptop at 2-50 kHz using iTestSystem data acquisition software.

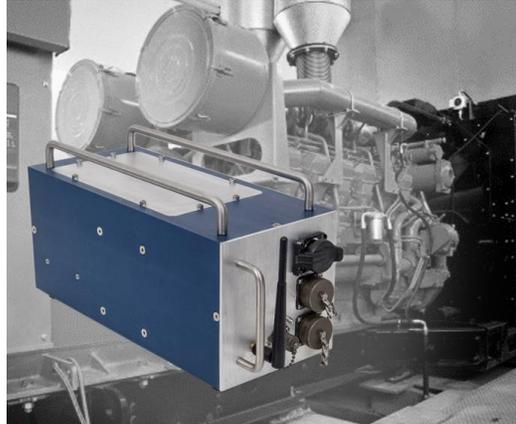


Figure 1. RAC-66-003 for Vibration Testing

RAC-66 Hardware Features

- Wireless data collection via WI-FI
- 2-50KHz sample rate
- Synchronized channels
- Internal Battery

iTestSystem Software Features

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

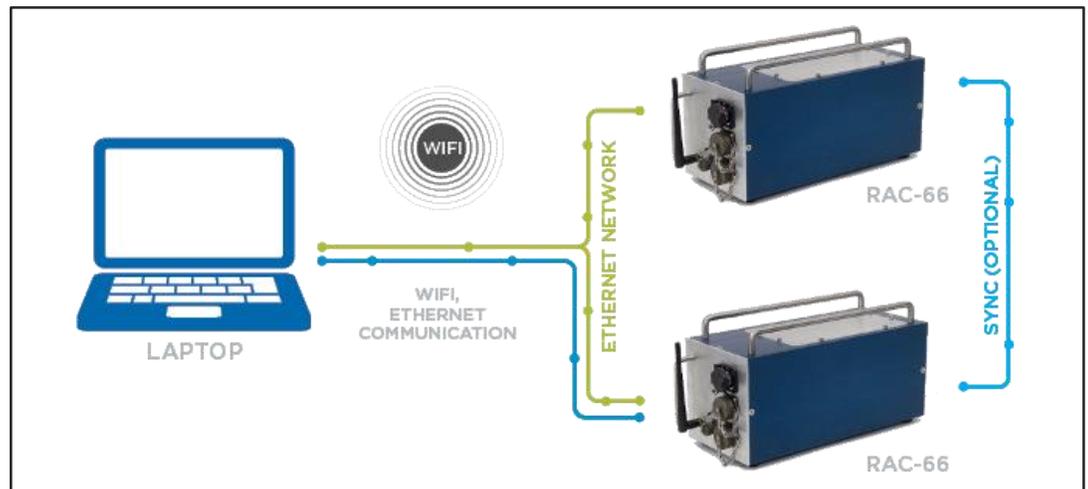


Figure 2. RAC-66 Communication

Ordering Information

Part No.:	Description	Channels	Type*
RAC-66-001	N/A	N/A	Rugged Enclosure, cDAQ 9188 Chassis, No Analog Input Cards
RAC-66-002	Strain	64	350 Ohm, ¼ Bridge Strain Gauges
RAC-66-003	Vibration	32	IEPE Sensors
RAC-66-004	Voltage	32	+/- 60 VDC Sensors
RAC-66-005	Temperature	128	Type K Thermocouple Sensors
RAC-66-###	Mixed Signal	TBD	Customized Mixed Signal Versions are Available

*Sensors Not Included



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