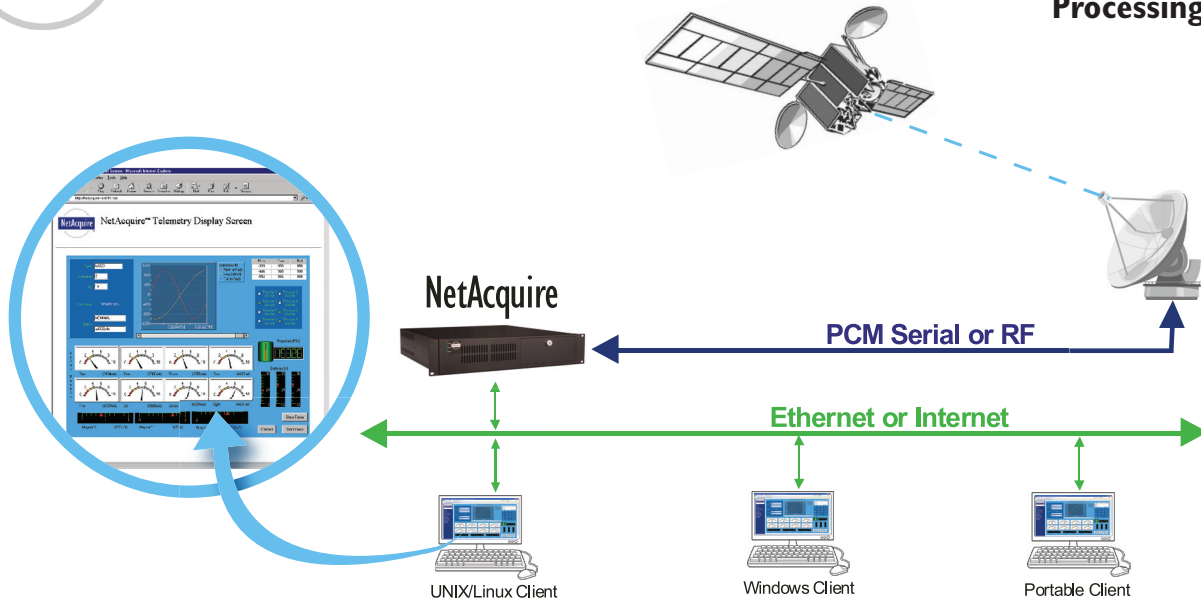


# Advanced Telemetry Solutions

NetAcquire

Distributed  
Telemetry  
Acquisition and  
Processing



## Introduction

NetAcquire delivers real-time telemetry processing solutions that work on the first day! With NetAcquire SIO, just plug in your telemetry signal and a network cable. That's all it takes, the system is up and running! A NetAcquire SIO system can be as small as toaster that will read serial or analog telemetry signals and publish the data to any Ethernet network.

**Save time, save hassle.** You use a regular Web browser from any computer on your network to set parameters and retrieve data - it even works over the Internet.

Not only are these systems **easy to use**, NetAcquire products offer Web-enabled telemetry solutions at a fraction of the cost of other equipment. **Save** your budget dollars but still get the quality, reliability, and results you need.

NetAcquire products are **versatile**. They work with any data source, including spacecraft, aircraft, or industrial. NetAcquire system configurations process serial, analog, and digital data in almost any format.

**Shrink** your equipment requirements by letting NetAcquire SIO perform all of your telemetry operations in a single box: bit sync, frame sync, decommutation, processing, storage, and network communications.

NetAcquire solutions are **customizable** to meet your needs now and in the future. Field-upgradable options include decommutation, data format conversion, time tagging, custom processing and many more.

## Application Areas

- Ground station telemetry processing
- Satellite manufacturing and test

## Features

- **Acquire** - fully-selectable serial bit rate, word width, encoding, alignment, and synchronization.
- **Distribute** - telemetry is published to any number of network machines.
- **Display** - integrated Java applets provide real-time telemetry display.
- **Administer** - no software installation required; just use a Web browser.
- **Configure** - change all communication parameters remotely in the field.
- **Record** - selectable local disk archiving for maximum data integrity.
- **Simulate** - on-board telemetry simulator, create an output data pattern or use a recording.
- **Protect** - password-protect access to configurations and data.
- **Backup** - support redundant and backup configurations.
- **Customize** - create custom GUI displays of your data with the NetAcquire Java Client Toolkit or NetAcquire Windows Client Toolkit.
- **Extend** - develop your own server software extensions with our open programming environment.
- **Decommutate** - on-board decommutation with the NetAcquire Decom Option and Network Publish/Subscribe.

- Remote and wide-area monitoring
- Protocol conversion, gateways

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