



sdiRELAYER™

Beyond "Point to Point" SECS Communication



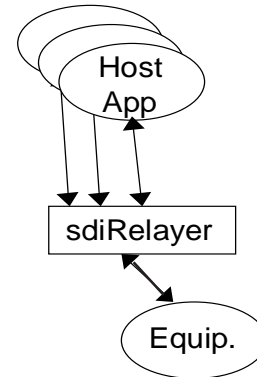
sdiRelayer Overview

sdiRelayer is a high performance system designed to provide a "hub" for multiple factory host systems to communicate with a particular equipment.

sdiRelayer breaks through the "point to point" barrier of SECS communication with equipment on the factory floor.

sdiRelayer allows SECS messages to be relayed between a particular equipment and factory systems such as: Host Station Controllers, Maintenance Servers, Recipe Management Systems, Equipment Performance Tracking Systems, etc...

sdiRelayer is a highly efficient, thin client designed to provide multiple host connectivity without impacting performance. It is a "configurations only" application, meaning that no application programming is required to support an existing equipment.



sdiRelayer Functionality

- SECS-I or HSMS communications with the equipment with no changes required to the equipment communications.
- Communications to the existing host equipment interface with no changes required to that host.
- Can perform two way SECS-I-HSMS conversion
- Each request from a Host application has a SECS transaction ID pointed to the device that originated the transaction
- Supports multiple Hosts communicating with each equipment device

sdiRelayer Availability Features

- sdiRelayer automatically re-establishes communications with any clients or equipment whose SECS communications fail and are then restored.
- sdiRelayer provides the ability to add new client applications for communications with a given equipment without shutdown or restart of the sdiRelayer or any other component of the configuration.
- sdiRelayer highly efficient, thin client that is designed for minimal complexity and high uptime.

