

Fast Data Exchange Between Rockwell; Schneider; Siemens PLCs/PACs; No Programming Required

OVERVIEW

cATM® Controller Appliance Transaction Modules enable the exchange of data between a mix of PLCs/PACs.

The RA56-cATM High Performance installs in a ControlLogix® Programmable Automation Controller (PAC) from Rockwell Automation and communicates to other Allen-Bradley controllers via the backplane, Allen-Bradley bridge modules, or EtherNet/IP. cATMs connect to Siemens® controllers by Industrial Ethernet and to Schneider® controllers by Modbus® TCP.



CONFIGURE & GO

cATMs feature a web browser-based, on-board, setup utility for fast and easy configuration. There is no need to program message instructions or script data transfer routines. There are no special languages to know, no special training required, and no enterprise drivers are required.

cATMs are optimized to provide high-speed data exchange between controllers and are ideally suited for applications that require responsive real-time data exchange.

SECURE

The functionality of cATM appliances can be totally independent of other PAC/PLC logic, in effect operating as a data exchange co-processor

Operation can only be changed by authorized personnel using the built-in configuration utility. As an industrial product, cATM appliances have better security and reduced vulnerability to attack than PC-based options.

FEATURES & SOFTWARE

- If you can configure a wireless modem, you can setup and configure a cATM controller module. Its web browser setup utility is designed for ease-of-use. Intuitive screens and data fields are designed to make setup quick and easy. With this tool you can:
 - Administer
 - Establish user permissions and access.
 - Synchronize the module's time and update frequency by enterprise and controller.
 - Setup the Controller Interface
 - An easy-to-use browse function and drop down list enables fast selection of the path between controllers, whether it's to a ControlLogix PAC in the local rack, or through any of the supported bridges.
- Choose Variables
 - Once the path between controllers has been defined, the cATM module provides a list of all controller variables that can be selected for either trigger events and/or transfer list sources or destinations.
- Create Data Triggers/Transfer Lists
 - The module lets you easily develop lists of individual controller variables to be exchanged between controllers. Triggers for data exchange can be developed based on specific rates or other user defined conditions.
- Once configured, all data transfers are handled by the module itself.....no other software is required
- All configurations are stored in the appliance in onboard memory:
 - Enables configurations to be imported, exported, backed up and restored, should the module require replacement

SUPPORTED CONTROLLERS

- Rockwell Automation CIP
 - Via ControlLogix backplane
 - Through Allen-Bradley bridge modules including: DH+; DH485; ControlNet; EtherNet/IP
 - Via EtherNet/IP.....supports
 - ControlLogix
 - CompactLogix
 - PLC-5
 - SLC 500
 - FlexLogix
 - MicroLogix 1100; 1500
- Siemens Industrial Ethernet
 - S7-300
 - S7-400
- Modbus TCP
 - Quantum



HARDWARE & ENVIRONMENTAL

- Fanless operation
- Two independent 10/100M Ethernet ports
- ControlLogix single-slot module
- Temperature:
 - Non-operating: 0°C to +80°C
 - Operating: 0°C to +60°C
- Humidity: 5 - 95% non-condensing
- Vibration: 2g @ 10 - 500Hz
- Shock:
 - Non-operating: 50g
 - Operating: 30g
- Power Ratings: 5 VDC
- Power dissipation: 5 W

ABOUT ONLINE DEVELOPMENT INC. (OLDI)

OLDI designs and manufactures factory automation products to help manufacturers simplify data transaction, control and communications tasks.

Products include Appliance Transaction Modules (ATM) for both Enterprise and Controller-level data exchange. Enterprise Appliance Transaction Modules (eATMs) simplify and manage the exchange of data between general-purpose computer systems at the plant and enterprise level with factory floor controllers. Controller Appliance Transaction Modules (cATMs) enable connectivity to many brands and types of PLCs/PACs and DCS.

OLDI also has a line of open control products to enable the development of special applications in PLC/PAC and panel-mounted versions.

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