

Single Module Enables Sophisticated Data Exchange Between Enterprise/Business Systems and PLCs/PACs

OVERVIEW

tManager® Enterprise Appliance Transaction Modules (eATM®) enable the exchange of data between enterprise, business or plant computer systems and a mix of Rockwell Automation, Siemens and Schneider PLCs/PACs.

The in-chassis modules install in a ControlLogix® Programmable Automation Controller (PAC) from Rockwell Automation and communicate to other Allen-Bradley controllers via the backplane Allen-Bradley bridge modules or EtherNet/IP out one of the front Ethernet ports. With these same ports, eATMs connect to Siemens® controllers by Industrial Ethernet and to Schneider® controllers by Modbus® TCP.

On the enterprise side, adapters are available for popular databases as well as messaging queues through various versions of JMS.



CONFIGURE & GO

First, choose from the many messaging or database adapters available and select your controller drivers.

Next, install the eATM in a ControlLogix chassis. Then, use the tManager configuration software to drag and drop configurations – that's all there is to it.

SECURE

The eATMs configuration can only be changed by authorized personnel using the eATM configuration software.

As an industrial product, eATM appliances have better security and reduced vulnerability to virus attacks than PC-based options.

FASTER IMPLEMENTATION & UPDATES

- Configuration Software Provides:
 - Stepwise setup via graphical user interface
 1. Define path to controller(s)
 2. Define path to database or message queue
 3. Map data sources to data destinations
 4. Setup triggers
 5. Place into run
 - Search and Replace
- All configurations are stored in the eATM in onboard memory:
 - Enables configurations to be imported, exported, backed up and restored, should the module require replacement

ROBUST DATA HANDLING & AUDITING

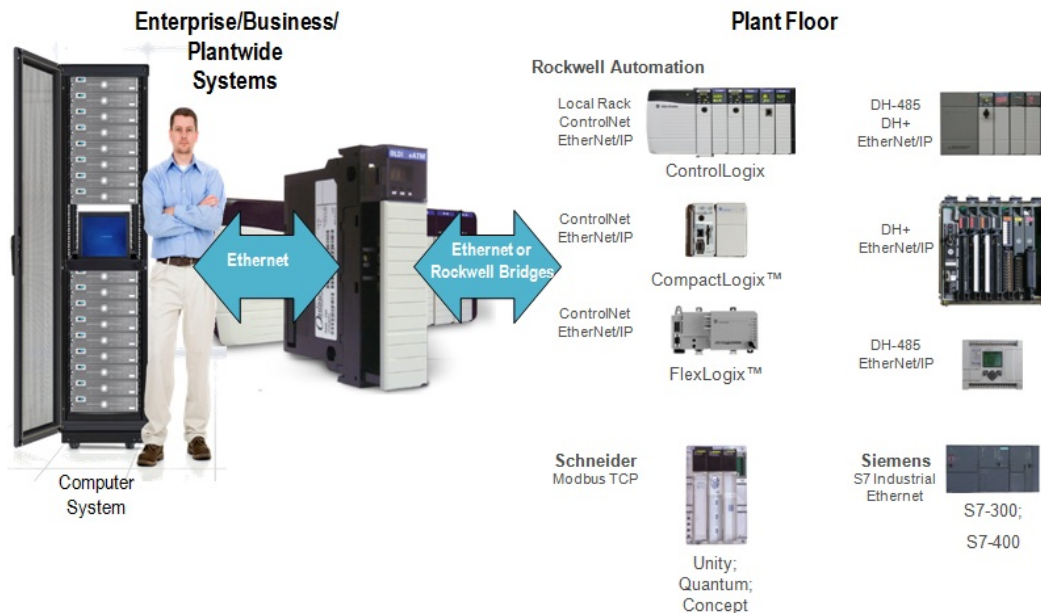
- Once configured, all data transfers are handled by the module itself.....no other software is required
- Logs and Notification
 - Diagnostics, status and transaction monitoring via user configurable logging
 - E-mail alerts
- Data Buffering and Destination Failover
 - Store & Forward: If communication is lost, data can be stored on the module
 - Failover: On loss of communication, messages can be transferred to/from an alternate destination

COMPUTER ADAPTERS

- Messaging Adapters
 - IBM WAS JMS
 - Red Hat JBOSS JMS
- Database Adapters
 - Microsoft SQL
 - Oracle
 - MySQL
 - IBM DB2 Family
- Microsoft Office
 - Excel/Access
- Communications Adapters
 - TCP/UDP
 - FTP
 - Bidirectional e-mail (SMTP outbound included with all adapters)

AUTOMATION ADAPTER

- Rockwell Automation CIP
 - Via ControlLogix backplane
 - Through Rockwell Automation bridge modules including: EtherNet/IP, DH+, DH485, ControlNet
 - Via the front Ethernet port:
 - ControlLogix
 - CompactLogix
 - PLC-5
- Siemens Industrial Ethernet
 - S7-300
 - S7-400
- Modbus TCP
 - Quantum
 - Concept
 - Unity



SYSTEM & ENVIRONMENTAL

- Two independent 10/100M Ethernet ports
- ControlLogix single-slot module
- Windows XP SP2 or Windows 7 (for configuration software)
- 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: 7 W

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