

Datamate Advanced

Description

Datamate Advanced for the APOGEE® Automation System is a software package that provides a complete set of software tools for operating and maintaining APOGEE networks including MBC, MEC, PXC Compact, PXC Modular (Note: Datamate Advanced does not support database editing or database management for PXC.A field panels or DXR controllers). Using the Datamate Advanced software, building operators can perform database backup and restore functions, offline database editing, as well as system checkout and commissioning functions. Command control functions and database transfers to and from a field panel can be accomplished directly at the field panel, from another field panel across the Automation Level Network (ALN). The Datamate Advanced software package allows building operators to communicate with ALN or Field Level Network (FLN) controller using a single easy-to-use software package.

Features

- Look and feel similar to the Insight Main Menu
- Offline database editors: Point Editor, Program Editor, Graphics Editor, Trend Definition Editor, Event Builder, Alarm Editor, Report Builder, Scheduler, Attribute Duplicator, System Profile, and User Accounts
- Create and Edit Dynamic Graphics
- System Profile view of the ALN/BLN, FLN, and their subordinate devices that make communication and database transfer operations easy
- Support for DXR import into database from ABT Site
- MMI Database Transfer for backing up and restoring controller databases
- Support for APOGEE BACnet and proprietary field panels (exception: PXC.A field panels are not supported)
- Support Desigo™ CC Export utility (SibX)
- Desigo™ CC licensing option and online connectivity capability to support using Datamate for configuring field panels connected to Desigo CC
- Support for Ethernet field panels, Power Open Processors and Soft Controllers, PXC Compact, PXC Modular, and BACnet PXC Field Panels
- Seamless communications with field panels, TX-I/O with P1 BIM devices, Terminal Equipment Controllers (TECs), Actuating TECs (ATECs), BACnet TECs, LonMark Terminal Equipment Controllers (LTEC), and Unitary Controllers (UCs)
- Windows 8.1 (64-bit) and Windows 7 (32-bit and 64-bit) based user interface
- Online User Guide and help files
- Datamate Database backup and restore using Insight Backup Utility
- Import and upgrade of Datamate Advanced 3.1x databases
- Using MMI Database Transfer to identify any driver revision string in offline mode
- Copy a field panel database to a new field panel, including Soft Controllers
- Terminal Emulation

Sentinel® LM software security keyDatamate Database Maintenance

System databases can be imported into Datamate Advanced using Commissioning Tool

This database backup utility provides facility managers with a means for backing up the database. This supplemental backup can be used in conjunction with Desigo™ CC backups to provide additional support in the event that a disaster recovery plan needs to be implemented.

Offline Editing

A computer with Datamate Advanced can be used to edit a system database offline, giving operators the opportunity to complete and review all of the required changes prior to downloading them to the system.

Database editing features include the ability to create and modify:

- Event definitions
- Graphics
- Point attributes, definitions and groups
- Point alarm, trend and schedule definitions
- PPCL operating program
- Report definitions
- System Profile
- Scheduling
- User Accounts

Online help provides detailed information and step-by-step procedures to assist the operator in creating or modifying the database.

Online Editing

Desigo CC option and Online Mode capability for use with Desigo™ CC for database editing.

Real time Online editing of field panel data. Database changes can be saved for later download or immediately sent to the field panel.

Includes Global Commander, Database Transfer, Panel Point Log Report and System Activity Log.

Licensing through same mechanism as Desigo CC.

Terminal Emulation

A computer with Datamate Advanced in terminal mode functions as an operator terminal. While in terminal mode and connected to a field panel's RJ-11 communications port, an operator with the appropriate access level can perform the following functions:

- Display point information
- Command point values
- Perform online editing of (PPCL) lines of code in control programs
- Create, modify, and delete system points
- Create and modify operational schedules
- Display system reports

Graphics Editing

Graphics can be created and customized to suit any operator's need or to enhance graphic capabilities. However, dynamic graphics can only be viewed from the Insight software. Graphics options include:

- Point information
- Animation, position controls, or information blocks
- Analog bars
- Link controls to related Insight applications
- Link controls to company specific email, Web sites or documents on a network
- Graphics linked in a logical structure

FLN Devices

In addition to communicating with field panels, Datamate Advanced allows users to interface locally with select FLN devices. This eliminates the need to use separate software programs to communicate with field panels, TECs, ATECs, BACnet TECs, Wireless TECs, Secure Mode TECs, UCs, and TX-I/O Modules.

Point Commissioning and Checkout

Datamate Advanced includes the ability to generate TX-IO point module labels, a point checkout report, and a Point Summary Report that can be used for commissioning new physical points and field panels.

Specifications

Operating System Environment	Windows 11(64-bit); Windows Server 2019 (64-bit); Windows Server 2022(64-bit)
Additional Software Requirements	Adobe® Reader® or other PDF viewing software Micrografx Designer® used for creating and editing graphic backgrounds
Additional Computer Hardware Requirements	TCP/IP installed and running (required) USB 2.0 and higher Video card and monitor capable of supporting 1280 × 1024 resolution or greater with 16-bit color (required) Optional: A mass storage device such as a tape drive, Zip drive, USB memory device, CD-RW/DVD-ROM
MMI Cable	9 pin female to RJ-11 cable – order separately (540-143)
Modem	Optional modem for remote communications
Background Graphics Package	Micrografx Designer® used for creating and editing graphic backgrounds

*Additional RAM and available disk space are recommended for systems with a large database (points, program, trend, schedules, animation, etc.). Contact your local Siemens representative for further sizing recommendations.

Ordering Information

Description	Part Number
Datamate Advanced 3.16.4 includes software, a Sentinel key, a single user license, and electronic Datamate Advanced User Manual.	571-176-USB (includes USB Sentinel key)
Datamate Advanced 3.1x to 3.16.2 update includes software, and Datamate Advanced electronic User Manual.	571-177A
Datamate Advanced for Desigo™ CC for a New System.	P55802-Y134-A300
Datamate Advanced for Desigo™ CC for Service Agreement Customers migrating from Insight.	P55802-Y134-D300
Datamate Advanced for Desigo™ CC for non-Service Agreement Customers migrating from Insight.	P55802-Y134-E300
Communication cable: PC 9-pin female to field panel RJ-11 male.	540-143

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