# fleXible building solutions™

**SUBJECT:** **PRODUCT UPDATE | ASPECT® -3.02 NEW FEATURES AND UPDATES**

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## ASPECT -3.02 IS HERE!



Cylon Auto-Matrix, a leader in smart buildings and energy efficiency technology is has released **ASPECT® -3.02,** a significant advancement in our building management system software.

Award-winning **ASPECT® -3.02** follows the release of ASPECT 3.01, a web-based, energy management dashboard that provides all the tools needed to gain intelligence into a buildings' performance.

## BENEFITS OF ASPECT® -3.02

New for **ASPECT® -3.02** are functional improvements and user interface updates.  **ASPECT® -3.02** has been designed to integrate with a variety of interfaces and protocols, enabling coordination of data from distributed systems.  New user interfaces, combine real-time integrated control, supervision, data-logging, alarms, scheduling and network management functions.  **ASPECT® -3.02** enhances mobility with its responsive HTML 5 interface, for an optimal experience across different user devices.  Updates have been specifically designed to meet the requirements of building owners, property developers, system integrators, facility managers and building occupants.

**ASPECT® -3.02** updates include: improved usability (including a simplified and improved licensing model), more flexible configuration, a data integration application that simplifies generation, monitoring and management of building operations.  Globally serving buildings of all sizes, our comprehensive **ASPECT® -3.02** building solution simplifies integration by using a secure platform that easily scales to meet current and future application requirements.

**Highlights of the new ASPECT® - 3.02 release include:**
- Online Configuration
- Context-aware Interface
- Enhanced Notifications Services
- Productivity Enhancements
- Detachable Properties Window

- NgAdmin Internationalization/Localization enhancements
- Additional Date / Timestamp formats (ISO, US and North America, European/Asian, UK)
- Simplified licensing model
- ASPECT® Restful API
- Improved control of Trend Charting
- New diagnostic tools
- Intelligent eMap discovery
- Improved data simulation features while developing projects in Aspect Studio
- Improved reliability and enhancements of Map Graphic development and deployment
- More updates found on the **ASPECT® -3.02** Datasheet found in the Cylon Auto-Matrix Toolbox

## WHAT'S NEW?

ASPECT 3.02 includes the below new features and stability improvements

| Aspect 3.02 New Feature | Description |
|---|---|
| An advanced expression evaluation option has been added for Ghost Points and TStrings | Support for Logical AND (&) and OR (\|) operations has been added to MapRef expressions in addition to the existing Boolean AND (&&) and OR (\|\|) operations. |
| Click action enhancements for Graphics Annunciators | Graphics editing now provides a fully automatic click action so engineers don't have to select the most appropriate click action on a graphic. A trend click action is also available. |
| Point Simulation support has been added for simulated values to points in the map when running in Studio | MapPoint elements have the ability to simulate values, but they are infrequently used as of 3.0 and the H5 graphic UI. Map objects (typically points) now support simulated data. A Global simulation is applied by default. |
| Support added for "preview" mode for Graphics | Now that simulated point values are supported, there is a way to toggle between engineering mode and preview mode. |
| Property detail levels have been added | Low, Medium and High detail levels are now included for the Property Pane. |
| Studio improvement made to "Pop Out" the Map Tree | UI experience. |

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| Aspect 3.02 New Feature | Description |
|---|---|
| The system time can now be changed via NG Admin | Useful for sites without internet access to automatically synchronise the time. |
| Configurable Clock format in NG Admin | |
| NG Admin Trending Y-Axis scaling improvements | Now includes the option to start a Trend with the Y-Axis scale starting at zero. Auto-scaling can now be disabled for multi trends. |
| Easy Image Selection using thumbnails is now included | This is a method of seeing the available images in a collapsible hierarchy with search/filter capabilities is required. ASPECT-Studio remembers last selected thumbnail size. |
| BACnet segmentation now supported during discovery | ft-com now supports segmentation during discovery. |
| Polish and German. NGAdmin localization enhancements | |
| *Graphics Improvements* | Rebuilding map tree no longer jumps to Trace tab. No forced compilation when a graphic element is changed. Stability of graphics zoom function and placement improved |
| *Graphics editing permits multiple-images be copied between graphics* | If a graphic contains multiple images, these can now be copied together to another graphic. |
| *User can now Read / Write Aspect Map points* | Provides a means by which any Aspect system user can read and (if supported by the specific API type) write Aspect Map points (NetworkPoint objects) via the following supported API types: 1. ReST (ASPECT® supports a read-only REST API for point values) 2. http/json (ASPECT® supports a public read/write API that provides point and map-based services for 3rd party integration) 3. *MySQL (ASPECT® can push point values to any MySQL database)* |

# PRODUCT SELECTION & ORDERING INFORMATION

**ASPECT®** Enterprise is available in four core models that communicate to **MATRIX™** or **NEXUS™** **ASPECT®** Control Engines (ACE). A license pack allows the addition of more ACE. Two upgrade licenses allow users to move from lower license models to higher models up to the platform maximums. Foreign device connectivity for integration of BACnet/IP and Modbus TCP connections are also available using TCP integration license packs.

| Part Number | Number of ACE (ASPECT Control Engines)[1] | Point Capacity[1] | Number of Foreign TCP/IP Connections | BACnet MS/TP | Modbus RTU | AAM PUP | Teletrol TSC | BACnet/IP | Modbus TCP | Unitron UC32.netK |
|---|---|---|---|---|---|---|---|---|---|---|
| ASPECT-ENT-2 | 2 | 15,000 | 0 | | | | | | | |
| ASPECT-ENT-12 | 12 | 25,000 | 0 | | | | | | | |
| ASPECT-ENT-96 | 96 | 50,000 | 0 | | | | | | | |
| ASPECT-ENT-256 | 256 | 100,000 | 0 | | | | | | | |
| | | | | | | | | | | |
| ENT-ACE-1 | 1 | +7,500 | 0 | | | | | | | |
| ENT-TCP-16 | 0 | +800 | 16 | | | | | ✓ | ✓ | |
| ENT-TCP-32 | 0 | +1,600 | 32 | | | | | ✓ | ✓ | |
| ENT-TCP-64 | 0 | +3,200 | 64 | | | | | ✓ | ✓ | |
| ENT-TCP-128 | 0 | +6,400 | 128 | | | | | ✓ | ✓ | |
| ENT-TCP-256 | 0 | +12,800 | 256 | | | | | ✓ | ✓ | |
| | | | | | | | | | | |
| ENT-UP-96 | 96 | 50,000 | 0 | | | | | | | |
| ENT-UP-256 | 256 | 100,000 | 0 | | | | | | | |

*Note: – ASPECT®-Enterprise supports a maximum of 100,000 points and 256 TCP/IP device connections of either ACE (ASPECT® Control Engines such as MATRIX and NEXUS), BACnet/IP or Modbus TCP. It is recommended that you do not exceed 2,000 MS/TP devices under a single instance of ASPECT®-Enterprise.*

**PRODUCT UPDATE**

## PRODUCT REPLACEMENT OR DISCONTINUANCE

### END OF SUPPORT FOR ASPECT® 1.0 and & 2.0

The deployment of **ASPECT® 3.02** raises the bar in Building Automation technology and surpasses the technology of earlier versions (1.0 and 2.0). Updating **ASPECT® 3.02** software is recommended to maintain the best user experience. Cylon is beginning the cessation of support on the ASPECT® 2.0 and 1.0 legacy software. The last date for product support will be March 31, 2019.

## MARKETING MATERIALS AND TECHNICAL LITERATURE

Below are the marketing materials and technical literature available for download from the Cylon Auto-Matrix Toolbox

| Description | Category |
|---|---|
| **PowerPoint Presentation** \| ASPECT® | Marketing, Presentations & Sales Tools |
| **Technical Datasheet and Installation Instructions** \| ASPECT®-Enterprise | Marketing, Data Sheets <br><br> Product Support, Documentation |
| **ASPECT® User Guide** | Product Support, Documentation |
| **Engineering Symbols** \| ASPECT®-Enterprise | Product Support, Engineering Drawings |

## TOOL AVAILABILITY

**ASPECT® -3.02** is available for **immediate preorder** and will be available for download from the Cylon Auto-Matrix Toolbox on **September 20, 2018**. Existing ASPECT® dongles support **ASPECT® 3.02**

## PRODUCT ORDERING

For product and literature ordering please login to shopaam.com.
If you do not currently use Shop AAM please email insidesales@cylon.com.

## SALES AND PRODUCT INFORMATION

Contact your local Cylon Auto-Matrix Regional Sales Manager.