Base Station

Introduction

Are you looking for applications that will easily adapt to your specific distributed control system? Do you want to start small and add applications as you need them? Or, do you want a dedicated station for engineering, operations, or maintenance? The DeltaV™ Base Station gives you the freedom to do it all.

Choose from a variety of software applications to create the workstation software suite that fits your specific needs. A Base Station is made up of the selected Base Station software applications and the DeltaV hardware to run it.

Benefits

Adaptable work environment. The Base Station was designed with you, our customer, in mind. Select the applications that match your needs.

Scalable to suit your needs. Start small and add on as necessary. Total system integration gives you the confidence to know that DeltaV products will always perform. Get exactly what you need—nothing more, nothing less.
**Embedded smart communications.** In a DeltaV system, communications between nodes is totally transparent. You don’t need to know the details associated with the request/response and exception reporting mechanisms embedded in every DeltaV node to take advantage of DeltaV communications. Workstation applications have automatic access to all tags in your process.

Tag information is transparently delivered throughout the DeltaV system so that all parts are aware of the others and can simply ask for tag information by name, not some cryptic address or physical location.

**Dedicated functional use.** Create a workstation for configuration, troubleshooting, operation or maintenance. The flexible Base Station enables you to do it your way.

Use the unique DeltaV Flexlock feature to securely lock operators into the DeltaV system, limiting user access to only the applications that you chose, while also giving engineers the ability to access Windows applications, as needed.

The included Continuous Historian can collect history locally on this workstation. You can have additional Continuous Historians on other workstations. You can view continuous, event, or batch historical data, regardless of the DeltaV workstation collecting the data. This allows you to centralize or decentralize your historical collection.

The DeltaV system can be easily expanded to accommodate additional operating, diagnostic and/or engineering users. These additional stations can be either remotely or directly connected to the DeltaV system. Refer to the Related Products section of this document for more information.

**The following software applications are included in the Base Station**

For detailed information about the following applications, refer to the appropriate product data sheet:

- **DeltaV Continuous Historian.** Captures up to 250 analog, discrete, and text parameters along with their status and stores them for future analysis.

- **DeltaV Reporter.** View, analyze and report historical process and alarm and event data from the DeltaV Continuous Historian and the Event Chronicle in your copy of Microsoft Excel.

- **Flexlock.** Creates dual desktops on a single workstation to ensure that operators remain dedicated to monitoring, troubleshooting, and maintaining the process according to plant operating philosophies while also giving engineers the ability to access restricted areas as needed. Flexlock is a DeltaV exclusive.

**Product Description**

The Base Station is designed to provide a solid foundation on which you can build a custom solution. All DeltaV software products include features such as windows, graphics, drag and drop, and cut and paste. This allows you to concentrate on what you need to accomplish—not on the software—to easily create, operate, and maintain a powerful distributed control solution.

Choose the options that are right for you with the Base Station. Create your Base Station to operate, monitor, troubleshoot, and maintain your process.

Your Base Station can also be used to remotely connect DeltaV Remote Clients to your DeltaV system using thin-client technology.
Options

To enhance your Base Station, the following options may be added:

- **AMS Device Manager Client SC.** Add full configuration of HART and FOUNDATION Fieldbus devices using AMS Device Manager Server Plus located on a different workstation (license from AMS Suite: Intelligent Device Manager required for configuration capability).

- **AMS ValveLink SNAP-ON (Ff and HART).** Diagnose your Fisher Controls Ff and HART valves.

- **Configuration Software Suite.** Makes it easy to create Control Strategies and System Graphics to get your plant up and running quickly and efficiently.

- **Control Studio On-line.** Graphically monitor and troubleshoot running control strategies.

- **DeltaV Operate.** High performance operator graphics, trends and alarms offered in standard operating layouts and utilizing system-wide built-in security.

- **Diagnostics.** Facilitates checking the overall health of your system and quickly resolving system hardware, software, and configuration issues.

- **DeltaV Event Chronicle.** Captures process, system and user alarms and events and stores them in a Microsoft SQL Server database.

- **DeltaV InSight Basic.** Basic control performance monitoring and on-demand loop tuning application available for a single DeltaV workstation. This option is only applicable when DeltaV InSight is not included on your system.

- **DeltaV History View Suite.** Monitor your plant’s continuous, event and batch data—historically and in real time.
Recipe Studio. Add powerful yet simple to use application for graphically configuring recipes (with formulas) for successful batch production.

Related Products

Related Software Products

- Application Station Software Suite. Integrate DeltaV with 3rd party systems and applications on a DeltaV workstation. Includes a scalable DeltaV Continuous Historian and DeltaV OPC Data Access server.

- Maintenance Station Software Suite. Centralized system and device maintenance, including device calibration, device and hardware alerts and diagnostics on a DeltaV workstation.

- Operator Station Software Suite. Centralized operations and diagnostics on a DeltaV workstation.

- Professional Station Software Suite. Centralized operations, engineering and diagnostics on a DeltaV workstation.

- DeltaV Engineering Seat Software Suite. Access to engineering tools on-demand from a DeltaV workstation or Remote Client session.

- ProfessionalPLUS Station Software Suite. Centralized operations, engineering, configuration database and diagnostics on a DeltaV workstation.

Related Hardware Products

- DeltaV Workstation Hardware. Select from a variety of PC and server hardware, tested and preloaded with DeltaV software.

- Touchscreen. Allows displays to interact directly to operators’ touch.

Prerequisites

- This software suite must be loaded onto a DeltaV workstation. A variety of hardware is available to meet your specific requirements. Refer to the DeltaV Workstation Hardware Product Data Sheet.

- One ProfessionalPLUS Station is required for each DeltaV system. Refer to the ProfessionalPLUS Station Software Suite Product Data Sheet.

- Use of the DeltaV Reporter or DeltaV Excel Add-in products require a copy of Microsoft Excel (provided by others).

Ordering Information

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<thead>
<tr>
<th>Description</th>
<th>Model Number</th>
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<tbody>
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<td>Base Station Software Suite</td>
<td>VE2106</td>
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