SIEMENS

Process Automation Systems

# Stabilize your process with APACS+ and QUADLOG support



APACS+



QUADLOG

Siemens wants to keep your control systems stable. If you're on the fence about when to upgrade your APACS+ process control system or QUADLOG safety controller during the next 10 years, its ok, Siemens offers a program to maintain your plant until you decide.

The typical life expectancy of distributed control systems is 20-25 years. APACS+ was introduced in 1992 and is now 20 years old. We are supporting you through 2020 with parts and components to keep your plant up and running until then . . . and beyond.

### When maintaining a system like APACS+ for years to come, you may want to consider the following areas in order to optimize and improve your plant's process:

- System performance
- System capacity
- Key system components

### Siemens offers products that can help you during this critical time.

#### Increase your system performance:

- Improve the performance of your M-NET network by upgrading to Ethernet, using an Industrial Ethernet Module (IEM).
- Improve the performance of your APACS+ controller, especially if you've changed the configuration in the last 20 years, with an upgraded CPU allowing for a faster scan rate, using an ACMx Module (or CCMx for your QUADLOG safety system).

#### Increase your system capacity:

- If you've increased the size of your configuration in the last 20 years, you may want to think about more memory. Not only does the new ACMx module have more memory than previous versions, the overhead code needs less of it, thereby freeing up the extra memory for your configuration. The extra memory can be used to support your larger configuration or expanded I/O capacity.
- Before deciding on a migration path forward, you may need to expand your plant. New APACS+ or QUADLOG I/O modules are available for the new process area in your plant. These modules are compatible and can be integrated with a SIMATIC PCS 7 system so the investment can be used well into the future.
- When adding a new area to the plant, you may require more than just I/O modules. Whole integrated APACS+ controllers (Racks, ACMx, Power Supplies and I/O) are also available. These can help you automate the remaining process area for years to come before you decide to migrate.

**usa.siemens.com/apacs2020**

### Refresh your key system components:

- One of the key components of your APACS+ system is the *4-mation* software, used for re-configuring the controller or to reset parameters and other values. If you're running on XP or older PCs, stay secure and move up to a Windows 7 version of the "Control CD." This CD comes with *4-mation* for Windows 7 as well as other utilities to keep your system fresh for the next decade.
- Other components like power supplies, fan assemblies, and batteries wear out over time. Start thinking about refreshing them in order to keep your system running until the next decade of it's life.

Below is a chart of the list of components still available.

| | |
|---|---|
| **APACS+ Software** | |
| UPH:PS032011V70 | APACS+ Control Engineering/Development Station V7.0 SP1 (*4-mation* on Windows 7) |
| UPH:PS032303V70U | APACS+ V7.0 Control Update Kit (Update to *4-mation* on Windows 7) |
| **APACS+ Controllers** | |
| UPH:39ACM24BEN | ACM+ Controller Advanced Module - 4MB - APACS+ |
| UPH:39ACM28AEN | ACM+ Controller Advanced Module - 8MB - APACS+ |
| UPH:39ACM34AAN | ACMx Controller ACCEL Advanced - 4MEG - APACS+ |
| UPH:39ACM38AAN | ACMx Controller ACCEL Advanced - 8MEG - APACS+ |
| **APACS+ I/O Modules** | |
| UPH:39EAMCBN | Module Enhanced Analog - APACS+ |
| UPH:39IDM115ACCBN | Module Standard Discrete Input - APACS+ |
| UPH:39ODM115ACCBN | Module Standard Discrete Output - APACS+ |
| UPH:39RTMCAN | Module Resistance Temperature - APACS+ |
| UPH:39SAIAAN | Module Standard Analog Input - APACS+ |
| UPH:39SAMCAN | Module Standard Analog - APACS+ |
| UPH:39SDM024DCCBN | Module Standard Discrete -24V - APACS+ |
| UPH:39SDM048DCCBN | Module Standard Discrete -48V - APACS+ |
| UPH:39VIMCCN | Module Voltage Input - APACS+ |
| **QUADLOG Controllers** | |
| UPH:QLCCM22AAN | CCM+ 2Meg Module Critical Control Module - QUADLOG |
| UPH:QLCCM24AAN | CCM+ 4Meg Module Critical Control Module - QUADLOG |
| UPH:QLCCM32AAN | CCMx 2Meg Module Critical Control Module - QUADLOG |
| UPH:QLCCM36AAN | CCMx 6Meg Module Critical Control Module - QUADLOG |
| **QUADLOG I/O Modules** | |
| UPH:QLCDM024DCBAN | Module Critical Discrete IN 24V QUADLOG |
| UPH:QLCDM048DCBAN | Module Critical Discrete IN 48V QUADLOG |
| UPH:QLCDODCAAN | Critical Discrete Output Module |
| UPH:QLCAMAAN | Module Critical Analog I/O - QUADLOG |
| UPH:QLEAMBBN | Module Enhanced Analog I/O - QUADLOG |
| UPH:QLIDM115ACBBN | Standard Discrete Input Module |
| UPH:QLODM115ACBBN | Output Discrete Module (32 CH.) |
| UPH:QLRTMBAN | Module Resistance Temperature - QUADLOG |
| UPH:QLSAMBAN | Module Standard Analog I/O - QUADLOG |
| UPH:QLSDM024DCCBN | Module Standard Discrete I/O - QUADLOG |
| UPH:QLVIMBCN | Module Voltage Input - QUADLOG |

See your Siemens Account Manager for a full list of APACS+ or QUADLOG components available.

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