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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