

Siemens 39ACM28AEN 16139-218/3

Advanced Control Module

APACS+/QUADLOG Advanced Control Module with 8 MB SRAM for executing control strategies and system communication.

01 33 MHz 68040 processor	02 8 MB battery-backed SRAM	03 1 MB FLASH operating-system storage	04 APACS+/QUADLOG control role
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System position



Evidence boundary

Only verified exact-model facts and explicitly identified family context are included. Similar codes are not treated as substitutes.

Engineering domains and architecture

Module	39ACM28AEN
Part family	16139-218; /3 marking preserved
Input	24 V DC +/-10% from rack backplane
Power	12.5 W +/-10%

Processor	68040 with 68302 communications processor
Memory	8 MB battery-backed SRAM; 1 MB FLASH
Serial ports	Two RS-232 ports, 300-38000 baud
Operating range	-25 to 70 C; 5-95% RH noncondensing

Interface architecture

MODULBUS APACS+ system communication	IOBUS APACS+ I/O communication	SCSI Documented redundancy connection	Two RS-232 ports Serial service or communications functions
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Use cases with controlled scope

Continuous Control Executes configured control strategies in APACS+ installations.	QUADLOG Functions Supports documented QUADLOG control-system applications.	Redundant Controllers Uses the documented SCSI redundancy path where configured.	Legacy DCS Maintenance Exact-model spare for 39ACM28AEN 16139-218/3 records.
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INTEGRATION CHECKPOINTS

Identity Siemens 39ACM28AEN 16139-218/3 is preserved in full.	Host system Rack, slot and surrounding hardware are verified.	Configuration Project, firmware and settings are recorded.	Acceptance Functional evidence is captured before release.
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System relationship

APACS+ I/O	IOBUS/MODULBUS	39ACM28AEN control	Operator and peer systems
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Decision matrix

Question	Answer
What is Siemens 39ACM28AEN 16139-218/3?	It is an APACS+/QUADLOG Advanced Control Module; the reviewed manual identifies the 39ACM28AEN family with 8 MB SRAM.
How much SRAM does Siemens 39ACM28AEN 16139-218/3 have?	The exact 39ACM28AEN manual data specifies 8 MB of battery-backed SRAM.
What processor is used in Siemens 39ACM28AEN 16139-218/3?	The module uses a 33 MHz 68040 processor with a 68302 communications processor.
Which communication paths are documented for Siemens 39ACM28AEN 16139-218/3?	The family manual identifies MODULBUS, IOBUS, an SCSI redundancy path and two RS-232 ports.
What must be checked before replacing Siemens 39ACM28AEN 16139-218/3?	Confirm the complete marking, ROM/configuration, battery condition, slot and any redundancy pairing.

Eight release precautions

1 Verify both 39ACM28AEN and the 16139-218/3 marking.	2 Back up the controller database and firmware records.	3 Record whether the module is simplex or redundant.	4 Use ESD precautions and isolate rack power as required.
5 Check battery status before disturbing battery-backed memory.	6 Match ROM, configuration and module identity in redundant pairs.	7 Verify MODULBUS, IOBUS, SCSI and serial connections.	8 Complete startup, communication, I/O and redundancy tests before handover.

Product verification and support

Apter Power verification record

Model identity	Keep the complete Siemens model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
Siemens 39SDM024DCCBN 16101-174/8	Portfolio reference only; verify compatibility independently.
Siemens 16101-174/10	Portfolio reference only; verify compatibility independently.

	Apter Power technical and sourcing support sales7@apterpower.com +86 180 3017 5807 www.apterpower.com Scan for the Apter Power contact page.	Model record Siemens 39ACM28AEN 16139-218/3 Advanced Control Module Verify the complete nameplate before installation.
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