

INDUSTRIAL AUTOMATION PRODUCT

140CPU43412A

Modicon Quantum 80486 Processor Module

Schneider Electric 140CPU43412A is a Modicon Quantum processor module with an 80486-class 66 MHz processor and 896 kB RAM. It provides two Modbus ports and one Modbus Plus interface for the documented Quantum controller architecture.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Schneider Electric
System family	Modicon Quantum
Part number	140CPU43412A
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 140CPU43412A only in the documented Modicon Quantum position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller before service release.

System Role and Architecture

Schneider Electric 140CPU43412A is a Modicon Quantum processor module with an 80486-class 66 MHz processor and 896 kB RAM. It provides two Modbus ports and one Modbus Plus interface for the documented Quantum controller architecture.

FUNCTION 1
80486-class 66 MHz processor

FUNCTION 2
896 kB RAM

FUNCTION 3
Two Modbus ports

FUNCTION 4
One Modbus Plus interface

RELATED APTER POWER PAGES		
1	Schneider Electric 140NOE77100	2
2	Schneider Electric 990XCP98000	3
3	Schneider Electric 140XTS00200	4
4	Schneider Electric 140XBP00600	5
5	Schneider Electric 140NRP95400	6
6	Schneider Electric 140NOE77111	7
7	Schneider Electric 140NOE77101	8
8	Schneider Electric 140DDO84300	9
9	Schneider Electric 140DDO35300	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Modicon Quantum
02	Matched Modicon Quantum host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Modicon Quantum
Interface role	program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon
Field / power context	documented Modicon Quantum installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete 140CPU43412A marking and the documented Modicon Quantum 80486 Processor Module execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	Modicon Quantum processor module	Modbus Plus interfaces	1
Processor class	80486	Controller platform	Modicon Quantum
Processor clock	66 MHz	Key-switch function	Controller operating and memory-protection control
RAM capacity	896 kB	Lifecycle status	Discontinued product
Programming environments	ProWORX32 and Concept	Official replacement	BMEP582040 Modicon M580 processor
Modbus ports	2		

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5 Schneider Electric 140NRP95400

6 Schneider Electric 140NOE77111

7 Schneider Electric 140NOE77101

8 Schneider Electric 140DDO84300

9 Schneider Electric 140DDO35300

ENGINEERING BOUNDARY

Confirm 140CPU43412A, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 140CPU43412A marking and the documented Modicon Quantum 80486 Processor Module execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.

Applications and Engineering Context

Legacy Quantum controller

Executes the approved Concept or ProWORX32 application in the documented rack.

Modbus device coordination

Communicates with assigned serial devices through the two controller ports.

Modbus Plus networking

Exchanges data with the validated Modbus Plus nodes and addressing plan.

CPU replacement commissioning

Restores the saved application, port settings and controlled process response.

TECHNICAL NOTE

Install 140CPU43412A only in the documented Modicon Quantum position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	140CPU43412A recorded
Host / carrier	Modicon Quantum
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller

IMPORTANT NOTICE

Confirm 140CPU43412A, its exact Modicon Quantum host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Schneider Electric 140NOE77100

View Schneider Electric 140NOE77100 page

2

Schneider Electric 990XCP98000

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3

Schneider Electric 140XTS00200

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Schneider Electric 140XBP00600

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Schneider Electric 140NRP95400

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Schneider Electric 140NOE77111

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Schneider Electric 140NOE77101

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Schneider Electric 140DDO35300

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MANUFACTURER SOURCE RECORD

Schneider Electric 140CPU43412A exact product record and Quantum end-of-commercialization notice | Official manufacturer evidence verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.