

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

PRODUCT SNAPSHOT

BRAND

Schneider Electric

FAMILY

Modicon Quantum

PART

140CPU43412A

DOCUMENT STATUS

Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Schneider Electric 140CPU43412A provides program execution and Modbus or Modbus Plus coordination in a documented legacy Modicon Quantum controller in a documented Modicon Quantum installation.



80486-class 66 MHz processor



896 kB RAM



Two Modbus ports



One Modbus Plus interface

RELATED APTER POWER PAGES					
1	Schneider Electric 140CPS11100	2	Schneider Electric 140ARI03010	3	Schneider Electric 140ACO13000
4	Schneider Electric 140AMM09000	5	Schneider Electric 140ARI03010C	6	Schneider Electric 140ACO13000C
7	Schneider Electric 140AII33010	8	Schneider Electric 140CPU43412	9	Schneider Electric 140DSI35300

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitor Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to its documented cabinet position, power source, interfaces and approved engineering configuration. Commissioning restores that architecture and verifies the affected control or communication function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Product designation	Modicon Quantum processor module
Processor class	80486
Processor clock	66 MHz
RAM capacity	896 kB
Programming environments	ProWORX32 and Concept
Modbus ports	2

PARAMETER	VALUE
Modbus Plus interfaces	1
Controller platform	Modicon Quantum
Key-switch function	Controller operating and memory-protection control
Lifecycle status	Discontinued product
Official replacement	BMEP582040 Modicon M580 processor

RELATED PRODUCT PAGES

1

[Schneider Electric 140CPS11100](#)

2

[Schneider Electric 140ARI03010](#)

3

[Schneider Electric 140ACO13000](#)

4

[Schneider Electric 140AMM09000](#)

5

[Schneider Electric 140ARI03010C](#)

6

[Schneider Electric 140ACO13000C](#)

7

[Schneider Electric 140AII33010](#)

8

[Schneider Electric 140CPU43412](#)

9

[Schneider Electric 140DSI35300](#)

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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.

PRODUCT PRECAUTIONS

- 1 Confirm the complete 140CPU43412A marking and the documented Modicon Quantum 80486 Processor
- 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.
- 5 Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- 6 Restore protective earth, shielding, wiring, communications and the approved project or
- 7 Energize under control and review all device, rack, network and process diagnostics.
- 8 Complete a controlled functional test of program execution and Modbus or Modbus Plus coordination in

RELATED APTER POWER PAGES

1 Schneider Electric 140CPS11100

2 Schneider Electric 140ARI03010

3 Schneider Electric 140ACO13000

4 Schneider Electric 140AMM09000

5 Schneider Electric 140ARI03010C

6 Schneider Electric 140ACO13000C

7 Schneider Electric 140AII33010

8 Schneider Electric 140CPU43412

9 Schneider Electric 140DSI35300

ENGINEER FAQ

Q1

Which processor and clock are documented for Schneider Electric 140CPU43412A?

140CPU43412A uses an 80486-class processor operating at 66 MHz.

Q2

How much RAM is identified for 140CPU43412A?

The current Schneider Electric exact-product record specifies 896 kB RAM.

Q3

Which programming environments are associated with 140CPU43412A?

The official product record identifies ProWORX32 and Concept for this Quantum processor.

Q4

How many Modbus ports are available on 140CPU43412A?

The processor provides two Modbus ports.

Q5

How many Modbus Plus interfaces does 140CPU43412A provide?

It provides one Modbus Plus interface.

Q6

What must be backed up before replacing 140CPU43412A?

Back up the approved application, communication settings, memory state and controller configuration before removal.

Q7

Which official migration processor replaces 140CPU43412A?

Schneider Electric lists the Modicon M580 BMEP582040 processor as the recommended replacement.

Q8

What proves a replacement 140CPU43412A is ready for service?

Confirm application restoration, Modbus and Modbus Plus communication, diagnostics and controlled process response.

RELATED APTER POWER PAGES

1

Schneider Electric 140CPS11100

2

Schneider Electric 140ARI03010

3

Schneider Electric 140ACO13000

4

Schneider Electric 140AMM09000

5

Schneider Electric 140ARI03010C

6

Schneider Electric 140ACO13000C

7

Schneider Electric 140AII33010

8

Schneider Electric 140CPU43412

9

Schneider Electric 140DSI35300

SOURCE

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

+86 180 3023 5313 | sales13@apterpower.com | www.apterpower.com