

140CPU43412A

Schneider Electric · Modicon Quantum

Concept Processor 80486DX4 Modicon Quantum (with Math Coprocessor)

Processor

Intel 80486DX4

Clock speed

66 MHz

Math coprocessor

Integrated (80486DX4 on-chip FPU)

Program memory

1435 KB Flash EPROM

Data memory

Included in internal RAM

Internal RAM

896 KB user RAM

Programming software

ProWORX 32, Concept

Scan speed

0.1 to 0.5 ms/K instruction (LL984)

Local I/O (main backplane)

64 in / 64 out (I/O words), 2 local racks (requires expander)

Remote I/O

64 in / 64 out per drop, up to 31 drops

Distributed I/O

500 in / 500 out per network; 30 in / 32 out per node

Analog I/O (max)

Via backplane analog I/O modules (e.g. 140ACI, 140ACO, 140AVI, 140AVO, 140ARI)

Compatible backplane slots

2, 3, 4, 6, 10, 16

Built-in ports

1× Modbus Plus (DB9), 2× RS-232/RS-485 serial (DB9)

Protocols

Modbus Plus, Modbus RTU (serial)

Communication expansion

Slots available for communication modules (e.g. 140NOE77101 Ethernet, 140CRP93200 RIO head, 140CRA21110 DIO drop)

Supply voltage

5 V DC (backplane)

Power consumption

Not available

Bus current

1250 mA @ 5 V DC

Operating temperature

Not available

Storage temperature

Not available

Relative humidity

Not available

Protection rating

IP20

Dimensions (H×W×D)

250 × 40.34 × 103.85 mm

Weight

0.85 kg

Discontinued (End of Sale) (Last verified

2026-09)