

140CPU53414A

Schneider Electric · Modicon Quantum

Concept Processor 80486DX4 Large Memory Modicon Quantum (Revision A)

Processor

Intel 80486DX4

Clock speed

100 MHz

Math coprocessor

Integrated (80486DX4 on-chip FPU)

Program memory

1435 KB Flash EPROM

Data memory

Included in internal RAM

Internal RAM

2972 KB user RAM (approx. 3 MB)

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)