

140CPU11303

Schneider Electric · Modicon Quantum

Concept Processor 80186 Modicon Quantum

Processor

Intel 80186

Clock speed

20 MHz

Math coprocessor

Not available (80186 has no FPU)

Program memory

Not available (program stored in battery-backed SRAM)

Data memory

Included in internal RAM

Internal RAM

368 KB user RAM

Programming software

ProWORX 32, Concept

Scan speed

0.3 to 1.4 ms per 1K instruction (LL984)

984 Ladder logic

16K words maximum

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), 1× RS-232 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

3.95 W

Bus current

790 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

0.3 kg

Discontinued (End of Sale)

2015-05-31 (Last verified: 2026-09)