

140CPU11302

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

109 KB user RAM

Programming software

ProWORX 32, Concept

Scan speed

0.3 to 1.4 ms per 1K 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), 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

3.9 W

Bus current

780 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)