

140CPU31110

Schneider Electric · Modicon Quantum

Unity Processor Modicon Quantum

Processor

Unity (PowerPC-based)

Clock speed

66 MHz

Math coprocessor

Integrated (PowerPC)

Program memory

Included in internal RAM (548 KB)

Data memory

Included in internal RAM

Internal RAM

548 KB user RAM

Programming software

Unity Pro

Scan speed

1.86 K instructions/ms (100% boolean)

Discrete I/O (max)

Local unlimited; Remote 31744 in / 31744 out

Analog I/O (max)

Local unlimited; Remote 1984 in / 1984 out

Compatible backplane slots

2, 3, 4, 6, 10, 16

Local racks

2

Expansion racks

63 distributed I/O stations (Modbus Plus), 31 remote I/O stations (S908)

Built-in ports

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

Protocols

Modbus Plus, Modbus RTU (serial)

Communication expansion

Backplane slots for communication modules (e.g. 140NOE77101 Ethernet, 140CRP93200 RIO head, 140CRA21110 DIO drop, 140CHS hot standby)

Supply voltage

5 V DC (backplane)

Power consumption

9 W

Bus current

1800 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)

2018-12-31 (Last verified: 2026-09)