

BMXP342020

Schneider Electric · Modicon M340

Modicon M340 Performance CPU Module (Level 2, Ethernet)

Processor

ARM9

Clock speed

180 MHz

Program memory

3584 KB (application + symbols + comments)

Data memory

256 KB (data + constants)

Internal RAM

4096 KB total internal RAM + 2 MB Web server memory

Programming software

EcoStruxure Machine Expert (Unity Pro)

Scan speed

8.1 Kinst/ms (100% boolean) / 6.4 Kinst/ms (mixed)

Boolean instruction execution

0.12 µs

Discrete I/O (max)

1024 points (704 per single rack)

Analog I/O (max)

256 points (66 per single rack)

Compatible racks

4, 6, 8, 12 slots (X80 racks)

Local racks

1 main rack

Expansion racks

3 expansion racks

Application channels

36

Built-in ports

1× Ethernet (RJ45, 10/100 Mbps), 1× Modbus Serial (RJ45, RS232/RS485), 1× USB Mini-B

Protocols

Modbus TCP/IP, Modbus Serial (RTU/ASCII), HTTP/HTTPS (Web server Class B10)

Communication expansion

Optional X80 communication modules (BMXNOM0200 Modbus serial, BMXNOR0200 CANopen, BMENOC03xx Ethernet/IP, BMXEIA0100 serial)

Web server

Class B10 (embedded web pages, custom HMI)

Supply voltage

24 V DC (via backplane)

Power consumption

2.4 W

Bus current

100 mA @ 24 V DC

Operating temperature

0°C to +60°C

Storage temperature

-25°C to +70°C

Relative humidity

5% to 95% (non-condensing)

Protection rating

IP20

Dimensions (H×W×D)

100 × 28 × 93 mm

Weight

0.205 kg

Lifecycle

Active/Mature (mid-range platform; newer designs recommended M580) (Last verified: 2026-09)