

# BMXP3420102

Schneider Electric · Modicon M340

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Modicon M340 Performance CPU Module (Level 2, CANopen V2)

## 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

## Programming software

EcoStruxure Machine Expert (Unity Pro)

## Scan speed

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

## 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

## Module slots

11

## Built-in ports

1× CANopen (RJ45), 1× Modbus Serial (RJ45, RS232/RS485), 1× USB Mini-B

## Protocols

CANopen (DS405, master, up to 63 slaves, 50-1000 Kbps), Modbus Serial (RTU/ASCII)

## Communication expansion

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

## Supply voltage

24 V DC (via backplane)

## Power consumption

2.6 W

## Bus current

110 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**

0.210 kg

**Lifecycle**

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