

Schneider Electric BMXP342020H

Model: BMXP342020H

Brand: Schneider Electric

Series: Modicon M340

Modicon M340 Performance CPU Module (Level 2, Ethernet, Conformal Coated)

—— Hardware ——

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)

—— I/O Capacity ——

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

—— Communication ——

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)

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

Coating: Conformal coating (harsh environment)

—— Electrical ——

Supply voltage: 24 V DC (via backplane)

Power consumption: 2.4 W

Bus current: 100 mA @ 24 V DC

—— Environmental ——

Operating temperature: 0° C to +60° C

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Storage temperature: -25° C to +70° C

Relative humidity: 5% to 95% (non-condensing)

Protection rating: IP20

—— Physical ——

Dimensions (H×W×D): 100 × 28 × 93 mm

Weight: 0.205 kg

—— Lifecycle ——

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



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