

Schneider Electric BMEP586040

Model: BMEP586040

Brand: Schneider Electric

Series: Modicon M580

Modicon M580 ePAC CPU, Level 6, Remote I/O (RIO/DIO)

—— Hardware ——

Processor: ARM dual-core

Clock speed: 600 MHz

Program memory: 64 MB integrated RAM (application program)

Data memory: 1 MB data memory

Internal RAM: Integrated (see program/data memory)

Programming software: EcoStruxure Machine Expert (Unity Pro XL)

Scan speed: 48 Kinst/ms (20% faster than Level 4) (100% boolean) / 36 Kinst/ms (20% faster than Level 4) (mixed)

Performance level: Level 6

SD card door: Lockable (prevents theft of SD card)

Legacy language support: Modicon LL984

—— I/O Capacity ——

Discrete I/O (max): 6144 points

Analog I/O (max): 1536 points

Application channels: 216

Compatible racks: 4, 6, 8, 12 slots (single PSU); 6, 10 slots (redundant PSU) — X80 Ethernet backplane

Local racks: 4 racks total (1 main + 3 expansion)

Expansion racks: 3 expansion racks

Remote I/O drops: 31 remote I/O drops (supports Quantum I/O via 140CRA31200)

Distributed devices (DIO): 61 distributed devices

—— Communication ——

Built-in ports: 1 × Ethernet service port (RJ45), 2 × Ethernet RIO/DIO ports (RJ45, 10/100 Mbps), 1 × USB Mini-B (480 Mbps)

Protocols: Modbus TCP/IP, EtherNet/IP, HTTP/HTTPS (Web server), Modbus Serial (via USB or comm module)

Ethernet networks: 6 Ethernet networks

Web server: Standard (diagnostic/maintenance)

Quantum I/O migration: Supported (Level 4+)

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Communication expansion: X80 backplane communication modules (BMENOC03xx Ethernet/IP, BMENOS0300 serial, BMENOR2200 RIO, BMENUA0100 universal automation)

—— Electrical ——

Supply voltage: 24 V DC (19.2-31.2 V DC via backplane)

Power consumption: 8.5 W

Bus current: 350 mA @ 24 V DC

—— Environmental ——

Operating temperature: 0° C to +60° C

Storage temperature: -25° C to +70° C

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

Protection rating: IP20

—— Physical ——

Dimensions (H×W×D): 100 × 56 × 93 mm

Weight: 0.849 kg

Slot occupation: 2 slots (slots 0 and 1)

SD card: 4 GB optional (BMXRMS004GPF)

—— Lifecycle ——

Lifecycle: Active (current flagship ePAC platform, introduced 2014, replaces Quantum/Premium)
(Last verified: 2026-09)

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