

# Schneider Electric BMEP583040

Model: BMEP583040

Brand: Schneider Electric

Series: Modicon M580

Modicon M580 ePAC CPU, Level 3, Remote I/O (RIO/DIO)

## —— Hardware ——

Processor: ARM dual-core

Clock speed: 600 MHz

Program memory: 12 MB integrated RAM (application program)

Data memory: 768 KB data memory

Internal RAM: Integrated (see program/data memory)

Programming software: EcoStruxure Machine Expert (Unity Pro XL)

Scan speed: 40 Kinst/ms (100% boolean) / 30 Kinst/ms (mixed)

Performance level: Level 3

## —— I/O Capacity ——

Discrete I/O (max): 3072 points

Analog I/O (max): 768 points

Application channels: 64

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

Local racks: 8 racks total (1 main + 7 expansion)

Expansion racks: 7 expansion racks

Remote I/O drops: 16 remote I/O drops

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: 3 Ethernet networks

Web server: Standard (diagnostic/maintenance)

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

## —— Electrical ——

You can contact us through the following contact information

[www.sparetechplc.com](http://www.sparetechplc.com) +86 180 3000 5825 [sales@sparetechplc.com](mailto:sales@sparetechplc.com)

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

Power consumption: 7.2 W

Bus current: 300 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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