

TSXP574634M

Schneider Electric · Modicon Premium

Unity Processor Modicon Premium

Processor

Unity (PowerPC-based)

Clock speed

100 MHz

Math coprocessor

Integrated (PowerPC FPU)

Program memory

2048 KB (2 MB)

Data memory

440 KB

Internal RAM

440 KB (data)

Programming software

Unity Pro / EcoStruxure Control Expert

Scan speed

0.1 µs per boolean instruction

Discrete I/O (max)

1024 points

Analog I/O (max)

128 points

Compatible backplane slots

4, 6, 8, 12

Local racks

16 (4/6/8-slot) or 8 (12-slot)

Expansion racks

Not available

Built-in ports

1× Ethernet 10/100 (RJ45), 2× RS-485 serial

Protocols

Modbus TCP/IP, Modbus RTU (serial)

Communication expansion

Premium backplane communication modules (Fipio, Fipway, Modbus Plus, Ethernet, PROFIBUS DP)

Supply voltage

5 V DC (backplane)

Power consumption

7 W

Bus current

1880 mA @ 5 V DC

Operating temperature

Not available

Storage temperature

Not available

Relative humidity

Not available

Protection rating

IP20

Dimensions (H×W×D)

140 × 35 × 80 mm

Weight

0.5 kg

Discontinued (Last verified

2026-09)

Replacement

Modicon M580 (BMEP58xxx)