

TSXP57453AM

Schneider Electric · Modicon Premium

Dual-format PL7 Processor Modicon Premium

Processor

PL7 dual-format

Clock speed

66 MHz

Math coprocessor

Integrated

Program memory

96 Kwords internal (program + data); expandable to 992 Kwords program via PCMCIA card

Data memory

Not available (included in internal RAM)

Internal RAM

96 Kwords (program + data) without PCMCIA card; 176 Kwords data with PCMCIA card

Programming software

PL7 Junior / PL7 Pro

Scan speed

0.06 µs per boolean instruction (0.08 µs word/fixed-point, 1.7 µs floating-point); 13.82 Kinst/ms 100% boolean

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 (RJ45), 1× Fipio channel

Protocols

Modbus TCP/IP, Fipio

Communication expansion

Backplane slots for communication modules (up to 2 fieldbus, 4 network, 8 AS-Interface, 1 CANopen; e.g. TSX SCP/CAS serial, Modbus/Ethernet modules)

Supply voltage

5 V DC (backplane)

Power consumption

5.4 W

Bus current

1080 mA @ 5 V DC

Operating temperature

Not available

Storage temperature

Not available

Relative humidity

Not available

Protection rating

IP20

Dimensions (H×W×D)

140 × 70 × 80 mm (double format)

Weight

0.65 kg

Discontinued (Last verified

2026-09)

Replacement

Modicon M580 (BMEP58xxx)