

Schneider 171CCC76010 Manual

Brand	Schneider
Product Series	Schneider
Product Type	M1/M1E Processor Adapter Module

Description

The Schneider Electric 171CCC76010 is a processor adapter module designed for the Modicon Momentum series. This compact unit operates within specified temperature limits and communicates using the Modbus protocol.

Technical specifications for 171CCC76010

Manufacturer Schneider Electric

Product Type M1/M1E Processor Adapter Module

Product Line Modicon Momentum

Part Number 171CCC76010

Weight 1.00 lbs (0.45 kg)

Ambient Operating Temperature 0 to 60°C (in a non-condensing environment)

Clock Frequency 32 megahertz

Program Memory Capacity 18 and 240 kilobytes

Rated Supply Voltage 5 Volts

Communication Protocol Modbus protocol

Data Memory Capacity 4 kilobytes

Input/Output Limit Processor Capacity 8,192 bits (maximum)

Exact Time For 1,000 Instructions 1 millisecond

Memory Type Flash memory and Random Access Memory (RAM)

Memory Capacity 512 kilobytes for both flash and RAM

Word Length 16 bit

Storage Temperature -40 to 85°C (in a non-condensing environment)

Number of Communication Ports One non-isolated RS-232C port and one Input/Output bus port

Description

The 171CCC76010 module from Schneider Electric is an adapter designed for M1 and M1E processors within the Modicon Momentum range. This device functions effectively in environments with temperatures varying from 0 to 60°C, provided that humidity levels do not lead to condensation. Operating with a clock frequency of 32 MHz, it supports program memory capacity options of 18 kilobytes and 240 kilobytes, making it suitable for a range of applications.

Data memory capacity for this module is established at 4 kilobytes, enabling necessary data storage for operational tasks. The device is capable of handling an input/output processor limit up to 8,192 bits. Notably, it executes 1,000 instructions in precisely 1 millisecond, which is efficient for real-time applications.

The module operates at a rated supply voltage of 5 VDC and utilizes flash memory along with Random Access Memory (RAM), providing a total memory capacity of 512 kilobytes. The word length for this module is standard at 16 bits, delivering compatibility with most data-handling operations.

For communications, it incorporates one non-isolated RS-232C port as well as a dedicated Input/Output bus port, accommodating versatile interfacing needs. In terms of environmental resilience, it also survives storage conditions ranging from -40°C to 85°C,

ensuring reliability across various settings. Weighing in at only 0.09 pounds (0.042 kilograms), this lightweight module is designed for ease of integration into control systems.

Range of Product

Modicon Momentum automation platform

Product or Component Type

M1/M1E processor adaptor

Software designation

Concept V2.6

Modsoft >= V2.5

ProWORX NxT V2.0

ProWORX 32

Communication Port Protocol

Modbus

Processor name

X 86 based (INTEL, AMD)

Clock frequency

32 MHz

Complementary**Discrete I/O processor capacity**

8192 I/8192 O

Memory Type

512 KB flash

512 KB RAM

Memory description

Program memory 18 kB LL981

Program memory 240 kB IEC

Data 24 kB

Material

Lexan

Word length

16 bit

[Us] rated supply voltage

5.0 V DC +/-5 %

Supply

By Momentum I/O base

Exact time for 1 Kinstruction

1 ms

Register I/O processor capacity

26048 I/26048 O

I/O limit processor capacity

8192 bits max

I/O words/drop

128 I/O Concept

80 I/O ProWORX

Number of port

1 I/O bus

1 RS232C non isolated

Marking

CE

Net Weight

0.093 lb(US) (0.042 kg)

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Environment

Protective treatment

TC

Ambient Air Temperature for Operation

32...140 °F (0...60 °C)

Ambient Air Temperature for Storage

-40...185 °F (-40...85 °C)

Relative Humidity

5...96 % without condensation

Operating altitude

6561.68 ft (2000 m)

Shock resistance

<= 15 gn peak 11 ms half sine wave acceleration

Vibration resistance

0.75 mm d.a

1 gn

Product Certifications

FM Class 1 Division 2

UL

Nema type 250

cUL

Ordering and shipping details

Category

18206-MOMENTUM PROCESSORS,I/O BASES,CONN.

Discount Schedule

PC31

GTIN

3595860010728

Returnability

No

Country of origin

FR

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

2.2 in (5.5 cm)

Package 1 Width

7.09 in (18 cm)

Package 1 Length

10.2 in (26 cm)

Package weight(Lbs)

7.6 oz (215 g)

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