

Schneider  Series Service Manual

171CCC96030C

1. Description

The Schneider Electric 171CCC96030C is a processor adaptor designed for the Modicon Momentum series. This component integrates an Ethernet port and operates effectively with a clock frequency of 50 MHz, making it suitable for various control applications.

2. Specifications

| Specification | Value                                                                                                                                                                                                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer  | Schneider Electric                                                                                                                                                                                                                                                                                      |
| Product       | Line Modicon Momentum                                                                                                                                                                                                                                                                                   |
| Part          | Number 171CCC96030C                                                                                                                                                                                                                                                                                     |
| Component     | Processor Adaptor                                                                                                                                                                                                                                                                                       |
| Ethernet      | Port Included                                                                                                                                                                                                                                                                                           |
| Clock         | Frequency 50 MHz                                                                                                                                                                                                                                                                                        |
| Operating     | Temperature 0 to 40 degrees Celsius                                                                                                                                                                                                                                                                     |
| Storage       | Temperature 0 to 50 degrees Celsius                                                                                                                                                                                                                                                                     |
| Maximum       | Operating Humidity 80% RH without condensation                                                                                                                                                                                                                                                          |
| Maximum       | Storage Humidity 80% RH without condensation                                                                                                                                                                                                                                                            |
| Environment   | Clean indoor environment with no corrosive chemicals                                                                                                                                                                                                                                                    |
| Operating     | Altitude Up to 1000 meters above sea level                                                                                                                                                                                                                                                              |
| I/O           | Scanning Supported                                                                                                                                                                                                                                                                                      |
| Modbus        | TCP Messaging Supported                                                                                                                                                                                                                                                                                 |
| Flash         | Memory 512 KB                                                                                                                                                                                                                                                                                           |
| RAM           | 512 KB                                                                                                                                                                                                                                                                                                  |
| Description   |                                                                                                                                                                                                                                                                                                         |
| The           | 171CCC96030C from Schneider Electric serves as a processor adaptor within the Modicon Momentum line. This component is equipped with an Ethernet port, facilitating network communications for versatile control scenarios. Operating at a clock frequency of 50 MHz, it provides reliable performance. |

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Technical specifications for 171CCC96030C

Manufacturer Schneider Electric

Product Line Modicon Momentum

Part Number 171CCC96030C

Component Processor Adaptor

Ethernet Port Included

Clock Frequency 50 MHz

Operating Temperature 0 to 40 degrees Celsius

Storage Temperature 0 to 50 degrees Celsius

Maximum Operating Humidity 80% RH without condensation

Maximum Storage Humidity 80% RH without condensation

Environment Clean indoor environment with no corrosive chemicals

Operating Altitude Up to 1000 meters above sea level

I/O Scanning Supported

Modbus TCP Messaging Supported

Flash Memory 512 KB

RAM 512 KB

Description

The 171CCC96030C from Schneider Electric serves as a processor adaptor within the Modicon Momentum line. This component is equipped with an Ethernet port, facilitating network communications for versatile control scenarios. Operating at a clock frequency of 50 MHz, it provides reliable performance.

Designed to work in a temperature range spanning from 0 to 40 degrees Celsius, the unit also withstands storage conditions of 0 to 50 degrees Celsius. Its performance is robust in clean indoor environments, where no corrosive chemicals are present. The device can operate efficiently at altitudes reaching up to 1000 meters above sea level.

Humidity tolerance is rated at a maximum of 80% relative humidity without condensation, ensuring stable functionality in various conditions. Both I/O scanning and Modbus TCP messaging capabilities are supported, adding to its functionality. The processor adaptor is backed by 512 KB of flash memory alongside 512 KB of RAM, giving it sufficient resources for effective data processing.

Range of Product

Modicon Momentum automation platform

Product or Component Type

M1/M1E processor adaptor

Concept

Transparent Ready

Level or class

Class B10

Software designation

Concept V2.6

Modsoft >= V2.5

ProWORX NxT V2.0

ProWORX 32

Communication Port Protocol

Ethernet

Processor name

X 86 based (INTEL, AMD)

Clock frequency

50 MHz

Complementary

Web services

Data editor

Web page loader software tool

Rack viewer

Web page loader

Ethernet service

I/O scanning

Modbus TCP messaging

Discrete I/O processor capacity

8192 I/8192 O

Memory Type

512 KB flash

512 KB RAM

Memory description

Program memory 18 kB LL984

Program memory 200 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 words/drop

128 I/O Concept

80 I/O ProWORX

Number of port

1 I/O bus

1 ETHERNET

Marking

CE

Net Weight

0.093 lb(US) (0.042 kg)

Environment

Protective treatment

Conformal coating Humiseal 1A33

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

1 gn

0.75 mm d.a

Product Certifications

FM Class 1 Division 2

UL

cUL

Nema type 250

Ordering and shipping details

Category

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

Discount Schedule

PC31

GTIN

3595863804393

Returnability

No

Country of origin

FR  
Packing Units  
Unit Type of Package 1  
PCE