Optional SD Card
For FUJITSU Cloud Service IoT Platform
CPS-SD-FUJ-01

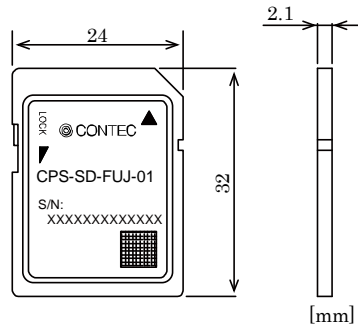* Specifications, color and design of the products are subject to change without notice.

This is an optional SD card for providing the function to CONPROSYS M2M controller series or M2M gateway series to communicate with the FUJITSU Cloud Service IoT Platform of FUJITSU LIMITED.

To use this product, the license of "FUJITSU Cloud Service IoT Platform" by FUJITSU LIMITED is required. Refer to the link below for the information of the "FUJITSU Cloud Service IoT Platform".

Website http://www.fujitsu.com/global/themes/internet-of-things/solutions/cloud-iot-platform/

* The contents in this document are subject to change without notice.
* Visit the CONTEC website to check the latest details in the document.
* The information in the data sheets is as of March, 2018.

Features

- Conforming to the SD Memory Card standard
- Containing no rotating or moving part as in hard disk drives, thus best suited for applications which require high environmental resistance (to temperature, humidity, vibration, shock) and for continuous operation for extended periods of time.
- Never making any sound such as motor rotation sound or access noise during seeking, thus best suited for applications which require complete silence.
- Featuring greater reliability, writing sequences, and increased number of rewriting with SLC (Single Level Cell), NAND type flash memory, it is more suited than MLC (Multi Level Cell) for industrial applications.
- Power consumption is reduced by eliminating a rotating or moving part.

Physical Dimensions

[mm]

About write endurance

This product has a write endurance which limits the number of cycles each memory may be written, due to the characteristic of the memory that is used.
See below for estimated write endurances.

Endurance years according to write capacity erased per day.

2GB   : 87 years

4GB   : 43 years

8GB   : 21 years

16GB : 10 years

32GB : 5 years

*Above examples are reference values.

Specification

Item		Specification
Type		CPS-SD-FUJ-01
Memory capacity *1		1,800MB
Interface		SD Memory Card interface
Read(Sequential) *2		18MByte/sec
Write(Sequential) *2		12MByte/sec
MTBF		5,966,000H
NAND Flash memory life span		50,000 cycles
Power voltage		3.3VDC±5%
Power consumption	Idle	0.11mA (Typ.)
	Read / Write (Sequential)	41mA (Typ.) / 51mA (Typ.)
Operating temperature		-40 - 85℃
Relative humidity		0 - 90%RH (No condensation)
External dimension (mm)		24.0(W)x32.0(D)x2.1(H)
Weight		Approx 2g

*1:   Capacity when shipped. The actual capacity (after formatting) in the user environment may be smaller than this value.
*2:   An actual performance is different depending on the use conditions.

Packing List

Product... 1

Product Guide ... 1

Warranty Certificate ...1

Serial number Label ...1

Setup Guide ...1