



## AFP7CCS1M1 | FP7 Add-on cassettes



※Photo may vary from actual product.

Product Number	AFP7CCS1M1
Part Number	AFP7CCS1M1
Product	FP7 Add-on Cassettes
Details	Communication Cassettes
Product name	FP7 Add-on cassettes

### Spec Detail

As of May 30, 2021

Specifications and design of the products are subject to change without notice for the product improvement.

Item	Specifications
Product Number	AFP7CCS1M1
Part Number	AFP7CCS1M1
[[SPECIFICATIONS]]Interface	RS-232C 1 channel and RS-485 1 channel
[[SPECIFICATIONS]]Transmission distance	RS-232C Max. 15 m <a href="#">49.213 ft</a> (Note 1), RS-485 Max. 1,200 m <a href="#">3,937 ft</a> (Note 2) (Note 1) Cable length should be no longer than 3 m <a href="#">9.843 ft</a> if communicating at a rate of 38.4 kbits/sec. or higher. If you are using RS-232C wiring, shielded cable should be used to improve noise immunity. (Note 2) If mixed C-NET adapters are used, up to 32 units can be connected, but transmission speed will be limited to a maximum of 19.2 kbits/sec.
[[SPECIFICATIONS]]Transmission speed	300,600,1200,2400,4800,9600,19200,38400,57600,115200, 230400 bits/sec.
[[SPECIFICATIONS]]Communication method	Half-duplex system
[[SPECIFICATIONS]]Synchronous method	Start-stop synchronization system
[[SPECIFICATIONS]]Transmission format	Stop bit: 1 bit / 2 bits Parity: Invalid / Valid (Odd / Even) Data length: 7 bits / 8 bits Start code: with STX / without STX End code: CR / CR + LF / None / ETX
[[SPECIFICATIONS]]Data transmission order	Transmit from bit 0 in character units.
[[SPECIFICATIONS]]Number of connected units	(Transmission distance: RS-232C) - (Transmission distance: RS-485) For general-purpose communication: Max. 99 units For computer link: Max. 99 units For PLC link: Max. 16 units For MODBUS-RTU: Max. 99 units (Note) If mixed C-NET adapters are used, up to 32 units can be connected, but transmission speed will be limited to a maximum of 19.2 kbits/sec. (Note) The converter SI-35 manufactured by LINE EYE Co., Ltd. is recommendable for the RS-485 at the computer side. When you use the SI-35, please adjust time after FP7 series PLC receives a command until it returns a response by a program.
[[COMMON GENERAL SPECIFICATIONS]]Ambient temperature	0 to +55 °C <a href="#">+32 to +131 °F</a> , Storage: -40 to +70 °C <a href="#">-40 to +158 °F</a>
[[COMMON GENERAL SPECIFICATIONS]]Ambient humidity	10 to 95 % RH (at +25 °C <a href="#">+77 °F</a> , no condensation), Storage: 10 to 95 % RH (at +25 °C <a href="#">+77 °F</a> , no condensation)
[[COMMON GENERAL SPECIFICATIONS]]Breakdown voltage	500 V AC for 1 minute

[[COMMON GENERAL SPECIFICATIONS]]Insulation resistance	100 MOhm or more (at 500 V DC)
[[COMMON GENERAL SPECIFICATIONS]]Vibration resistance	5 to 8.4 Hz, single amplitude of 3.5 mm 0.138 in, 1 sweep/min. (IEC 61131-2) ; 8.4 to 150 Hz, constant acceleration of 9.8 m/s <sup>2</sup> , 1 sweep/min. (IEC 61131-2), 10 times each in X, Y, and Z directions
[[COMMON GENERAL SPECIFICATIONS]]Shock resistance	147 m/s <sup>2</sup> or more , 3 times each in X, Y, and Z directions (IEC61131-2)
[[COMMON GENERAL SPECIFICATIONS]]Noise immunity	1,000 V [p-p] with pulse width 50 ns and 1 micro s (using a noise simulator)
[[COMMON GENERAL SPECIFICATIONS]]Operating condition	Free from corrosive gasses and excessive dust
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Rated voltage range	-
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Current consumption	35 mA or less (Note) Increased CPU unit current consumption
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Net weight	25 g approx. (with terminal block)

© Panasonic Corporation