Rich Variety of Interfaces and Excellent Lineup

|M2M Controller series

The M2M Controller Series consists of two types of controllers: a stand-alone integrated type and an I/O interface expandable configurable type. The system is adaptable to a wide variety of locations, wiring methods and number of I/O channels. You can build a custom control and monitoring system to meet your specific needs.

Integrated Type

Refer pages 6 to 9 for icon definitions

The integrated type offers a wide range of models with a variety of I/O interfaces and communication protocols.

3G model

DIN rail mounted image

[Key Features]

- DIN rail or fixed mounting options available
- Embedded CPU
- Operating temperature range: -20 to 60°C (-4 to 140°F)
- Durable hardware reduces maintenance costs
- Daisy-chain connections do not required a HUB (Except some models)
- Power supply voltage: 12 to 24 VDC
- Physical dimensions: 188.0(W)x78.0(D)x30.5(H) mm (7.40"x3.07"x1.20") (does not include protrusions and antenna)

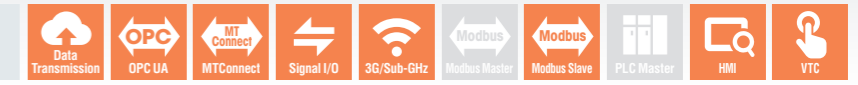#### OPC UA server built-in model
CPS-MC341-ADSC1-931

OPC UA server is built-in the firmware. It can directly communicate with an Information network without a bridge PC

CNC

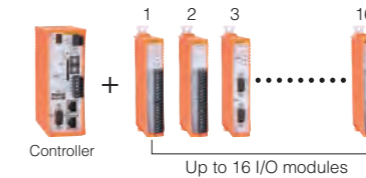FANUC MT-LINK*i* enabled

Configurable Type

Refer pages 6 to 9 for icon definitions

The configurable type allows users to add a variety of I/O modules to a CPU controller providing ultimate flexibility.

3G model

DIN rail mounted image

[Key Features]

- Capable of supporting up to 16 I/O modules on a single controller
- DIN rail mountable
- Embedded CPU
- Operating temperature range: -20 to 60°C (-4 to 140°F)
- Durable hardware reduces maintenance costs
- Daisy-chain connections do not required a HUB
- Power supply voltage: 24 VDC
- Physical dimensions: 44.7(W)x94.7(D)x124.8(H) mm (1.76"x3.83"x4.91") (does not include protrusions and antenna)

Controller + Up to 16 I/O modules

OPC UA server built-in model
CPS-MCS341-DS1-131
CPS-MCS341G-DS1-130
CPS-MCS341Q-DS1-131

CNC

FANUC MT-LINK*i* enabled

Type	Integrated Type										
Product Name	Multi I/O	Multi I/O with built-in OPC UA server and MTConnect Adapter & Agent	Multi I/O with additional RS-485	Digital I/O with RS-485	Digital I/O with RS-232C	Digital I/O with CAN	Analog I/O	Multi I/O with 3G WAN (Global) *3*4	Multi I/O with 3G WAN*4 (Japan only)	Multi I/O with 920MHz LAN (Japan only)
Model	CPS-MC341-ADSC1-111	CPS-MC341-ADSC1-931	CPS-MC341-ADSC2-111	CPS-MC341-DS1-111	CPS-MC341-DS11-111	CPS-MC341-DS2-911	CPS-MC341-A1-111	CPS-MC341G-ADSC1-110	CPS-MC341G-ADSC1-111	CPS-MC341Q-ADSC1-111
Interfaces LAN	2ch	2ch	2ch	2ch	2ch	2ch	2ch	2ch	2ch	2ch
SD Card Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot	1 Slot
USB	1ch	1ch	1ch	—	1ch	—	—	1ch	1ch	1ch
Digital Input	4ch*1	4ch*5	4ch*1	8ch*1	8ch*6	8ch*1	—	4ch*1	4ch*1	4ch*1
Digital Output	2ch	2ch	2ch	8ch	8ch	8ch	—	2ch	2ch	2ch
Analog Input (Current)	2ch	2ch	2ch	—	—	—	—	2ch	2ch	2ch
Analog Input (Voltage)	—	—	—	—	—	—	8ch	—	—	—
Analog Output (Voltage)	—	—	—	—	—	—	2ch	—	—	—
Counter	2ch*2	2ch*2	2ch*2	—	—	—	—	2ch*2	2ch*2	2ch*2
RS-422A/485	1ch	1ch	2ch	1ch	—	1ch	—	1ch	1ch	1ch
RS-232C	1ch	1ch	1ch	—	1ch	—	—	1ch	1ch	1ch
CAN	—	—	—	—	—	1ch	—	—	—	—
3G SIM (Standard)	—	—	—	—	—	—	—	1 Slot	1 Slot	—
920MHz	—	—	—	—	—	—	—	—	—	○
Functions Data Transmission	○	○	○	○	○	○	○	○	○	○
OPC UA Server	—	○	—	—	—	—	—	—	—	—
MTConnect	—	○	—	—	—	—	—	—	—	—
Signal I/O	○	○	○	○	○	○	○	○	○	○
Modbus Master	—	—	—	—	—	—	—	—	—	—
Modbus Slave	—	○	○	○	○	○	○	○	○	○
PLC Master	—	—	—	—	—	—	—	—	—	—
HMI	○	○	○	○	○	○	○	○	○	○
VTC	○	○	○	○	○	○	○	○	○	○
CNC Communication	—	○	—	—	—	—	—	—	—	—
Signal Tower Light Monitor*8	○	○	○	—	○	—	—	○	○	○
Others Operating temperature	-20 to 60°C (-4 to 140°F)									
Physical dimensions	188.0(W)×78.0(D)×30.5(H)mm (7.40"x3.07"x1.20") (does not include protrusions and antenna)									
Power supply voltage	12 to 24VDC									

Type	Configurable Type			
Name of Product	Controller	Controller with built-in OPC UA server and MTConnect Adapter & Agent	Controller with built-in OPC UA server and MTConnect Adapter & Agent + 3G WAN*4 (Japan only)	Controller with built-in OPC UA server and MTConnect Adapter & Agent + 920MHz LAN (Japan only)
Model	CPS-MCS341-DS1-111	CPS-MCS341-DS1-131	CPS-MCS341G-DS1-130	CPS-MCS341Q-DS1-131
Interfaces LAN	2ch	2ch	2ch	2ch
SD Card Slot	1 Slot	1 Slot	1 Slot	1 Slot
USB	1ch	1ch	1ch	1ch
Digital Input	4ch*1	4ch*1	4c*1	4ch*1
Digital Output	4ch*2	4ch*2	4ch*2	4ch*2
Analog Input (Current)	—	—	—	—
Analog Input (Voltage)	—	—	—	—
Analog Output (Voltage)	—	—	—	—
Counter	—	—	—	—
RS-422A/485	—	—	—	—
RS-232C	1ch	1ch	1ch	1ch
CAN	—	—	—	—
3G SIM (Standard)	—	—	1 Slot	—
920MHz	—	—	—	○
Functions Data Transmission	○	○	○*7	○
OPC UA Server	—	○	○*7	○*7
MTConnect	—	○	○*7	○*7
Signal I/O	○	○	○	○
Modbus Master	—	—	—	—
Modbus Slave	—	○	○	○
PLC Master	—	—	—	—
HMI	○	○	○	○
VTC	○	○	○	○
CNC Communication	—	○	—	—
Signal Tower Light Monitor*8	○	○	○	○
Others Operating temperature	-20 to 60°C (-4 to 140°F)			
Physical dimensions	44.7(W)×94.7(D)×124.8(H)mm (1.76"x3.83"x4.91") (does not include protrusions and antenna)			
Power supply voltage	24VDC			

*1 Opto-isolated input (supports sink output). Built-in 12VDC power. *2 Share with digital inputs. *3 CPS-MC341G-ADSC1-110 can be used in EU(RE directive), USA, Japan, Philippine, and India. (As of May 2019)
*4 SIM card not included. Standard size SIM card only. Visit www.contec.com for details. *5 Opto-isolated (supports sink output and current source output). Built-in 12VDC power or external 12-24VDC power is switchable.
*6 Opto-isolated (supports sink output). External 12-24VDC power supply is needed. *7 Available only for Ethernet communication. 3G and 920Mhz wireless communication do not support this function.
*8 A new product, Signal Tower Light Monitor, has been released. Refer to page 17 for details.
* The specifications are supported by the newest firmware drivers. Please download the newest firmware from Contec website when you need.