

TECHNOSHOT

TS2060 Replacement Guidance

V606e UG221H (Simple POD) > TS2060



V606e series UG221H (Simple POD)





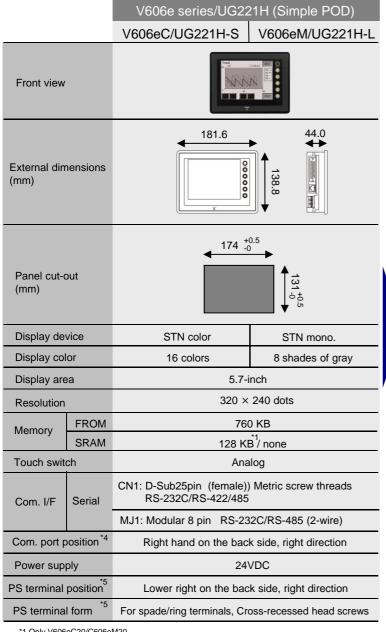
TS2060

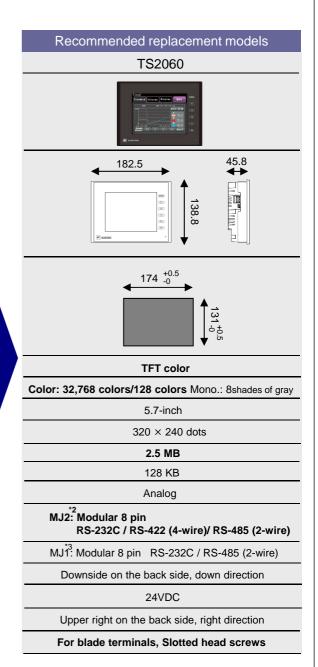


- Model names of V606e/UG221H (Simple POD)



- Main difference





^{*1} Only V606eC20/C606eM20

^{*2} Our conversion cable "MJ2-PLC" is required

When Mitsubishi Electric A series CPU or QnA series is connected, "V706-ACPU" is required.

Mitsubishi Electric FX series CPU (FX1, FX2) and Hitachi Industrial Equipment Systems H series (RS-232C) cannot be connected to TS2060. When the PLCs are connected, "TS2060i" and optional unit "DUR-00" is required.

3 TS2060 cannot power external devices. If V606e/UG221H powers external devices such as a barcode reader from the MJ1 port, please use other external power supply.

^{*4} For the details, please refer to page 3.

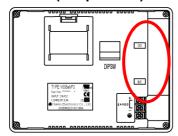
^{*5} For the details, please refer to page 4.



- Communication ports

Both of the communication ports differ in form and the position. Please check the following and prepare communication cables

- V606e/UG221H (Simple POD)



- CN1: A connector for RS-232C/RS-422/485 communication

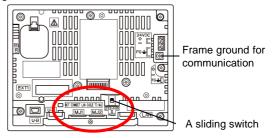
CN1 D-sub 25 pin	No.	Signals		
(female)	1	FG		
	2	RS-232C SD		
	3	RS-232C RD		
	4	RS-232C RS		
	5	RS-232C CS		
	6	None		
	7	SG		
	8	None		
	9	+5V		
1 000 14	4 10	0V		
	11	None		
	12	RS-422 +SD		
	13	RS-422 -SD		
	14	RS-422 +RS		
	5 15	None		
	16	None		
	17	RS-422 -RS		
	18	RS-422 -CS		
	19	RS-422 +CS		
	20	None		
	21	None		
	22	None		
	23	None		
	24	RS-422 +RD		
	25	RS-422 -RD		

MJ1: A connector for RS-232C/RS-485 communication

MJ1 RJ-45	No.	Signals		
	1	RS-485 +SD/RD		
12345678	2	RS-485 -SD/RD		
	3	+5V		
	4	+5V		
	5	SG		
	6	SG		
	7	RS-232C RD		
	8	RS-232C SD		

Please connect frame ground wires for communication to the terminal for frame ground.

- TS2060



- MJ2: A connector for RS-232C/RS-422/485 communication

Please switch RS-422 (4-wire: down) and RS-232C/RS-485 (2-wire: up) by the sliding switch.

MJ2 RJ-45	No.	Sliding switch	Signals
	1	Up	RS-485 +SD/RD
12345678	'	Down	RS-422 +SD
	2	Up	RS-485 -SD/RD
		Down	RS-422 -SD
	3	ı	None
	4	-	None
	5	-	SG
	6	-	SG
	7	Up	RS-232C RD
		Down	RS-422 +RD
	8	Up	RS-232C SD
		Down	RS-422 -SD

Please connect frame ground wires for communication to the terminal for frame ground.

MJ1: A connector for RS-232C/RS-485 communication

Communication				
MJ1 RJ-45	No.	Signals		
	1	RS-485 +SD/RD		
12345678	2	RS-485 -SD/RD		
	3	None		
	4	None		
	5	SG		
	6	SG		
	7	RS-232C RD		
	8	RS-232C SD		

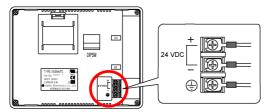
Please connect frame ground wires for communication to the terminal for frame ground.



- Power supply terminals

Both of the power supply terminals differ in form. If the power cable is connected to the power supply terminal with spade/ring terminals, it requires to process the terminals of the cable.

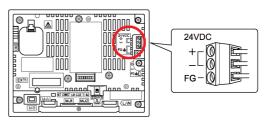
- V606e/UG221H (Simple POD)



· Power cable specifications

Power cables, frame ground wires: 16 to 14 AWG

- TS2060



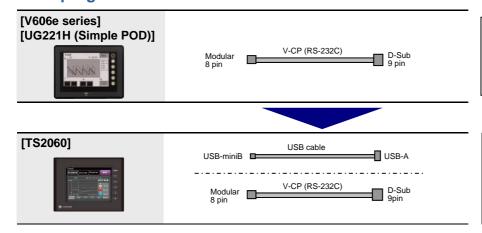
*It requires to tighten screws of the power supply terminal with a flat head screwdriver.

Recommended flat head screwdriver : Phoenix Contact SZS 0.6 x 3.5

· Power cable specifications

When the cable is directly connected to the power supply terminal	Power cable: 18 to 14 AWG Stranded/solid cable (1.0 to 1.6 mm in diameter) FG wire: 20 to 14 AWG Stranded/solid cable (0.8 to 1.6 mm in diameter)
When the cable is connected to the power supply terminal with blade terminals	Recommended blade terminal: Al 0.75-6 GY, Al 1-6 RD, Al 1.5-6 BK (Phoenix Contact) Recommended crimping tool: CRIMPFOX 6 (Phoenix Contact)

- Screen program transfer



V-SFT-5 (Ver. 5)

Windows 98SE / NT4.0 / Me / 2000 / XP / XP 64 Edition / Vista (32bit, 64bit) / 7 (32bit, 64bit) / 8 (32bit, 64bit) / 8.1 (32bit, 64bit)

V-SFT-6 (Ver. 6.0.16.0 or later)

Windows XP / XP 64 Edition / Vista (32bit, 64bit) / 7 (32bit, 64bit) / 8 (32bit, 64bit) / 8.1 (32bit, 64bit) / 10 (32bit, 64bit)

- Screen program conversion

It is possible to convert screen programs of V606e/UG221H (Simple POD) to the programs of TS2060 with V-SFT-6 (configuration software). Open the screen programs of V606e/UG221H (Simple POD) on V-SFT-6, click [System Setting] and then [Edit Model Selection], and change [Edit Model] to TS2060.

"We recommend models less restricted in use in this document. Because it is possible to replace your HMI with models other than the recommended one, please select models depending on your system.



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