

Replacement of PC2 system table

BEFORE : PC2



Fits in one base

Estimated: I/O points is 128 points or less

Requires two or more bases

Estimated: I/O points is larger than 128 points

The replacement location has depth (300mm or more)

There is no depth at the replacement location (Less than 300mm)

Precautions for replacement

*** If the I / O address area exceeds 000-3FF (1024 points), select PC10G.**



- PC10G
I / O address area
000~7FF(Equivalent to PC2)

AFTER : PC3JX

Plan A Mounting bracket



- Program, Parameter : Some changes required
- Desing : Unnecessary
- Additional mounting holes : None

When the replacement card can be accommodated with one base

Plan B Two stage bracket



- Program, Parameter : Some changes required
 - Desing : Unnecessary
 - Additional mounting holes : None
- Space is secured by stacking two bases with a two stage bracket
- * Not available if there is no height
Max I/O points: Up to 256 points possible

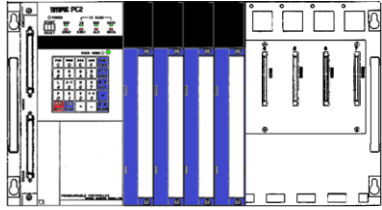
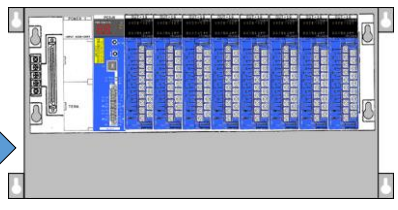

Plan C flat type



- Program, Parameter : Changes required
 - Desing : Unnecessary
 - Additional mounting holes : None
- I/O cards are stored on a single base card with the same number of cards
- * Max I/O points: 192 points (reference)
- If the number of I / O points exceeds Can be handled by changing the connection position

Plan A : Mounting bracket

Recipe of replacement PC2

	BEFORE TOYOPUC-PC2	AFTER TOYOPUC-PC3JX																																																																																																																																																																													
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* Please refer to the TOYOPUC PC3JX Instruction Manual (T-316E) and TOYOPUC PC10G Instruction Manual (T-335E) for final equipment selection.

* Please register your name, company name and e-mail address when using the instruction manual.

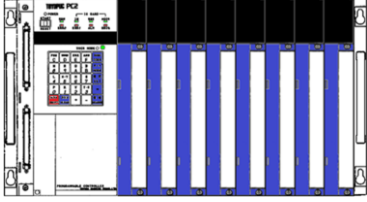
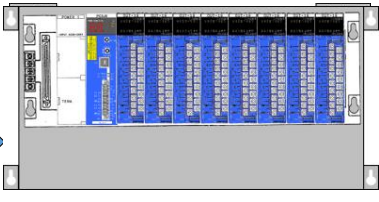
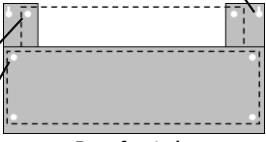
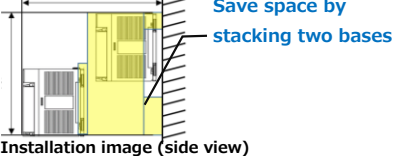
After that, we will send the password for downloading the instruction manual to the registered e-mail address.

T-316E <https://toyoda.iitek.co.jp/e/authdata.php?path=Tp/Torisetu/t-316e.pdf>

T-335E <https://toyoda.iitek.co.jp/e/authdata.php?path=Tp/Torisetu/t-335e.pdf>

Plan B : Two stage bracket

Recipe of replacement PC2

Composition	<p style="text-align: center;">BEFORE TOYOPUC-PC2</p>  <p style="text-align: center;">PC2</p>	<p style="text-align: center;">AFTER TOYOPUC-PC3JX</p>  <p style="text-align: center;">Replacement with two stage bracket</p>																																																																																																																																																																																														
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* Please refer to the TOYOPUC PC3JX Instruction Manual (T-316E) and TOYOPUC PC10G Instruction Manual (T-335E) for final equipment selection.

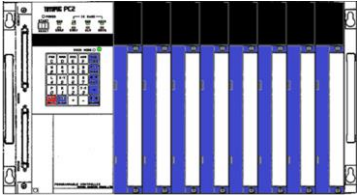

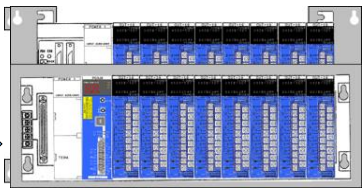
* Please register your name, company name and e-mail address when using the instruction manual.

After that, we will send the password for downloading the instruction manual to the registered e-mail address.

T-316E <https://toyoda.itek.co.jp/data/Tp/Torisetu/t-316n.pdf>

T-335E <https://toyoda.itek.co.jp/data/Tp/Torisetu/t-335n.pdf>

Recipe of replacement PC2

	<p>BEFORE TOYOPUC-PC2</p> 		<p>AFTER TOYOPUC-PC3JX</p> 
Composition	PC2		Fixing bracket + terminal block adapter + flat cable

Easy replacement without processing

● I/O card compatibility table

· When connecting signal wiring via terminal block adapter

BEFORE		AFTER		個数	
IN-22	DC input 32 points	IN-22D	THK-2871	DC input 32 points	1
OUT-28	TR output COM(-) 32 points	OUT-28D	THK-2870	TR output COM(-) 32 points	1
OUT-29	TR output COM(+) 32 points	OUT-29D	THK-5025	TR output COM(+) 32 points	1

* PC3J series 32-point cards are connected by D-SUB connector.

· When connecting signal wiring as usual

BEFORE		AFTER		個数	
IN-21	AC input 32 points	IN-11	THK-2749	AC input 16 points	2
IN-32D	DC input 64 points	IN-22D	THK-2871	DC input 32 points	2
OUT-21	AC output 32 points	OUT-11	THK-2795	AC output 16 points	2
OUT-22	Relay output 32 points	OUT-12	THK-2752	Relay output 16 points	2
OUT-25	MOS FET output COM(-) 32 points	OUT-15	THK-2790	MOS FET output COM(-) 16 points	2
OUT-26	MOS FET output COM(+) 32 points	OUT-16	THK-2791	MOS FET output COM(+) 16 points	2
OUT-38D	TR output COM(-) 64 points	OUT-28D	THK-2870	TR output COM(-) 32 points	2
OUT-39D	TR output COM(+) 64 points	OUT-29D	THK-5025	TR output COM(+) 32 points	2
I/O-211	AC input/AC output	IN-11	THK-2749	AC input 16 points	1
		OUT-11	THK-2795	AC output 16 points	1
I/O-221	DC input/AC output	IN-12	THK-2750	DC input 16 points	1
		OUT-11	THK-2795	AC output 16 points	1
I/O-225	DC input 16 points	IN-12	THK-2750	DC input 16 points	1
	MOS FET output COM(-) 16 points	OUT-15	THK-2790	MOS FET output COM(-) 16 points	1
I/O-226	DC input 16 points	IN-12	THK-2750	DC input 16 points	1
	MOS FET output COM(+) 16 points	OUT-16	THK-2791	MOS FET output COM(+) 16 points	1

● Communication card compatibility table

BEFORE	AFTER (Replacement)	Number	Compatibility	Remarks column	
ME-NET	FL/ET-T-V2H	THU-6289	1	×	Cable and parameters need to be changed
HPC-LINK					
2PORT-M-NET	ML10	TCU-6903	1	○	Cable can be reused
CMP-LINK					
PC/CMP-LINK					
PC/CMP2-LINK					
PC-LINK					
2PORT-LINK					
3PORT-LINK	2				

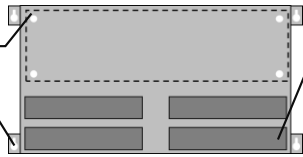
● Base and power supply compatibility table

BEFORE		AFTER		Number
PC2-CPU	PC2 + CPU base	PC3JX-CPU	THR-2766	1
CPUベース 8 slot		POWER1	TCC-6901	1
		8 slot base	THV-2747	1
I/O POWER (I/O POWER1)	Power module + I/O base	POWER1	THV-2747	1
I/Oベース 8 slot		8 slot selector base	THR-5643	1

● Fixing bracket TB-PC3JX-C0 (Scheduled for completion in May 2020)

Screw holes compatible with PC3JX base

Mounting holes for PC2 mounting



Terminal block adapter
Conversion from Y terminal to D-SUB terminal
Existing signal wiring can be used
* Flat cable
Operate at 0.3A or less.

Can be used in the same operation mode
* Parameter need to be changed
* PC3JX has a max 1024 points of I/O address.

● Software

Name	Remarks column
PCwin (V1.78R01~)	TJA-2031 Operation for PC2, PC3JX (PC10G)

● Connection cable

Name	Remarks column
I/O Connection wiring	Can reuse Fixed terminal common
USB I/F cable	Add new For connection between PC and PC3JX

* Please refer to the TOYOPUC PC3JX Instruction Manual (T-316E) and TOYOPUC PC10G Instruction Manual (T-335E) for final equipment selection.
* Please register your name, company name and e-mail address when using the instruction manual.
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