Upgrade Information of MPE720 Version 5.50

1. Added and Improved Functions

Items added and features improved from MPE720 version 5.44 to version 5.50 are as follows.

No.	Feature	Classification
1	SVC module correspondence.	Added function
2	MP2200-03 correspondence.	Added function
3	Omron/Melsec protocol correspondence.	Added function
4	Adding new Sigma V servo parameter.	Added function
5	C language MULTIv4.0 environment correspondence.	Added function
6	Ethernet-IP header information addition.	Added function
7	Comment file conversion fault of Ladder converter.	Bug fix
8	Bug of motion program bit operation.	Bug fix
9	Failed to transfer model check.	Bug fix

2. Description

No.1 Support the master module (SVC01) for MECHATROLINK-III.

The SVC-01 which is the master module for MECHATROLINK-III is supported.

Function	Specification
Baud Rate	100Mbps
Transmission cycle time	125 us/ 250 us/ 500 us/ 1 ms
String size	16 Byte/ 32 Byte/ 48 Byte/ 64 Byte
Number of slaves	21 slaves (16 Axis)/ 1 ms
	15 slaves (15 Axis)/ 500 us
	8 slaves (8 Axis)/ 250 us
	4 slaves (4 Axis)/ 125 us

No.2 MP2200-03 Correspondence.

The CPU-03 which is high speed more than CPU-01 and CPU-02 of MP2200 is supported. It has the 1 port for Ethernet and 1 slot for compact flash card.

No.3 Omron/Melsec protocol Correspondence.

The Ethernet modules support the protocol for MELSEC Q series controller / the FINS protocol for OMRON PLC. They are 218IFA built-in CPU.

21	I BIFA AIKA S	HIGEMIC	MP2200-03 Offlin	e Local							
PTE	- CPU#:-					FACK#01 Slot #00	CIR#01	0000-07FF			
Connection Parameter											
	Message Communication										
	Easy setting It is possible to following parameter setting easily that communicate the message.										
	DND Local Node IP Address Node Connect Protocol Code Detail										
	01	11111	192.168.001.111	11111	TCP	OMRON(FINS) MELSEC(QrvA Compatible	• IN	 Setting 			
	02	22222	192.168.001.222	22222	UDP	MELSECIOnA Compatible	V IN	 Setting 			
	03						*	Setting			
	04						-	 Setting 			
	1										
	C.L.										
	Cannot the ov	erlap to loc	al station port number use	d by the c	ommunicate the	1/O message.					
	1/D Message Cor	and the state									
	C Disable										
	Enable										
	Easy setting	It is possi	ble to set easily that comm	sunicate th	e I/O message						
	Data update tim	ing Low	 Scan 								
	Read/ Write	Local Port	Node IP Address	Node Port	Connect Type	Protocol	Code	Detail			
	Read	12345	192.168.001.123	12345	TOP	MELSECIOnA Compatible	¥ IN I	 Setting 			
	Write				t			 Setting 			
	•								•		
		Hea	dregister number data si	20	Mead and	ster number data	rine Re	quest destination m	other Diane		
		neut disabi									
	MP2200-03		1110000		Data register(D)		W Not	le equipment	0		
	E .		ble 07w0004 4	W->		W) - 00004 4	W				
									×		
•	<u> </u>										
									10		

The device data can be easily sent and received between MP Controller and MELSEC Q series controller/OMRON PLC.

No.4 Adding new Sigma V servo parameter.

Use of parameter Pn601 (option of Regenerative Register Capacity) was available about Sigma V servo pack (beyond Ver0011).

T#:- CH	PU#:-			RACK#01 Slot #0						
Aulis 1 💌 SERVOPACK SGDV-***-2** Version 💌 Servo Type Rotary 💌 Disp Vendor Par 💌										
Fixed Pa	arameters SERVOPACK Monitor	Input Data	Unit	Current Value						
0560	Remained Vibration Detection Width	40.0 %	Ula.	Content Yorke						
0561	2022 Deservative Devide Creately 0.10-4									
0561	Regenerative Resister Capacity	8 19	N							
0000	Regenerative Resistor Capacity Reserved	010 1.	A/							

By connecting Sigma V (beyond Ver0011) or choosing any Sigma V with off-line connection, Pn601 can be set on servo pack parameter screen.

No.5 C language MULTIv4.0 environment Correspondence.

It coped to become MULTIVer4.0 after MP2200-03 as a C language development environment so that MULTI2000 and MULTIv4.0 can be chosen now as a C language linker at C language setup screen of Configuration.

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PLC機種 動作環境 機能指定 エゾジニアリンケマネージャ ユーザメニュー ユーザ管理 ファル転送 その他 C言語 ラゲーエディタ FLASH保存 データトレース
C言語環境 リンカ リンク実行ファイル リンク実行ファイル ・ 「HS (MULT 12000) GHS (MULT 12000) GHS (MULT 172000) GHS (MULT 172
リンカオフジャン
OK ++7211 1271

No.6 Ethernet-IP header information addition.

In parameter setting screen of 263IF-01, when the connection type is "scanner", by pushing detail button it enabled to set "Run/Idle header" to each input data and output data in IO communication detail setting screen.

			_					_						_
			Ц				Communication	-				_		-
Connection			Ц		Input Settin			+-		Output Setting				_
No	IP Add		D					D			SizeIDutel	Scan		_
	192.168.001	.199	₫.	00001	0000	00	1		00002	0010	001	Low •		×-
02			-		_	_	_	-					Setting	8.
03		10 Com	mu	nication Detail S	etting			×					Setting	8.
04												*	Setting	8.
05												*	Setting	8.
06		RPI	Ber	uest packet interval)	50	and (4 - 750)					*	Setting	8-
07					1		,		-			*	Setting	8-
00					-	_						*	Setting	8.
09		Con	sect	ion Timeout Multiplier	4	-						*	Setting	8
10												*	Setting	- H
11		Con	vect	ion Type	POINT 2POIN	IT 💌						*	Setting	8-
12												*	Setting	8-
13		Coni	ine.	ation Instance No	1							*	Setting	8-
14			~									•	Setting	100
•														_
		PR-	n/k	de Header										
		I I	- Ir	nput Data (Target 🔿 🛙	(initial of									
			- 0	Jutput Data (Driginato	(-> Target)									
	nd Register					_								
	tals			ОК	CANO	n I								
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No.7 Comment file conversion fault of Ladder converter.

M.CMT file was within the scope of conversion.

No.8 Bug of motion program bit operation.

Because it was an operation result that was wrong that the bit operation with 0 or 1 was done at the logical operation, this was corrected.

🎘 Encineering Manager - IT-ジェジェブは - TRACE 23005 HP23005 オンライン ローカル[MPM001]]	
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PT#: 5 IP#:192.168.1.1 CPU#: 1	
00001 00001 M*00000-0E; 00002 00001 M500011-0; 00003 00001 M500011-1; 00004 00005 M600012-0E; 00005 000012-0E; M500011-1; 00006 00006 M6000012-0E; 00006 00006 M60000110E; 00007 00005 M600000110E; 00008 000072 M600000110E; 00010 00006 M600000110E; 00010 00006 M600000110E; 00011 00006 M600000110E; 00012 000072 M600000110E; 00013 00009 FND;	۵
Line Block	3
1 DBG 2 ABT 3 4 IN 5 OVR 6 SP 7 BP 8 GO 9 0 BRK	11 RGL 12
レジス切えた ウオナディージ (MARe-ト)	
No. [>2:234] Option 日本 F ² -9 9.24% 31/3 1 Option 01N 0 (FF 0 1 2 Option3 01N 0 (FF 0 1 3 Option4 01N 0 (FF 0 1 4 Option4 01N 0 (FF 0 1 4 Option4 01N 0 (FF 0 1 5 0 X 0 0 1 7 × 0 0	-
」	[其換モード]

No.9 Failed to transfer model check.

It was modified that transfer did not fail in the transfer of MAL file in transferring the file to the controller folder of a different model.

Execute					×			
Source	M:\PLC\NewFile.	Mal			Change			
Destination	M:\YeTools\MPE	720\Cp717Usr\0	DRDE	RVPLCV	Change			
	Transfer Mode	Change	•	Compression transmission	Detail			
	🔽 Program	🔽 Comment						
	🔽 Register	🔲 User Menu						
The saved data in media is batch transfer to It is executed by this environment. OK? PLC folder.								
		OK)		Cancel				