

## **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.

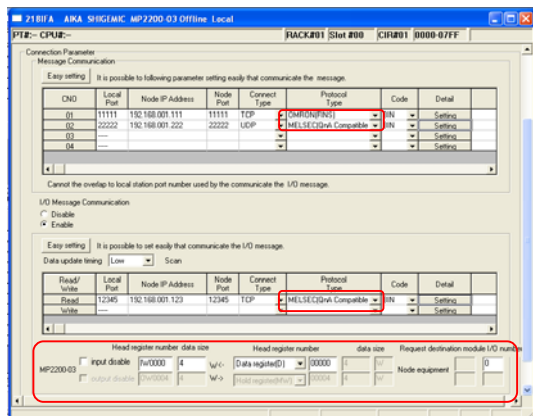
Function	Specification
Baud Rate	100Mbps
Transmission cycle time	125 us/ 250 us/ 500 us/ 1 ms
String size	16 Byte/ 32 Byte/ 48 Byte/ 64 Byte
Number of slaves	21 slaves (16 Axis)/ 1 ms 15 slaves (15 Axis)/ 500 us 8 slaves (8 Axis)/ 250 us 4 slaves (4 Axis)/ 125 us

### 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.

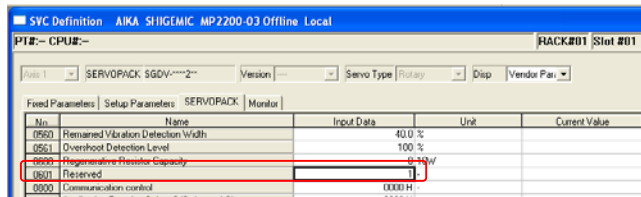
The Ethernet modules support the protocol for MELSEC Q series controller / the FINS protocol for OMRON PLC. They are 218IFA built-in CPU.



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.

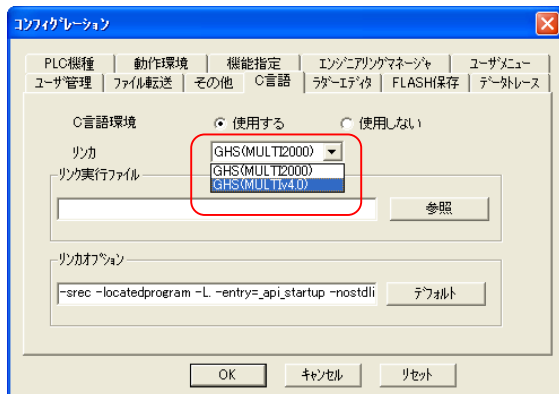
Use of parameter Pn601 (option of Regenerative Register Capacity) was available about Sigma V servo pack (beyond Ver0011).



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

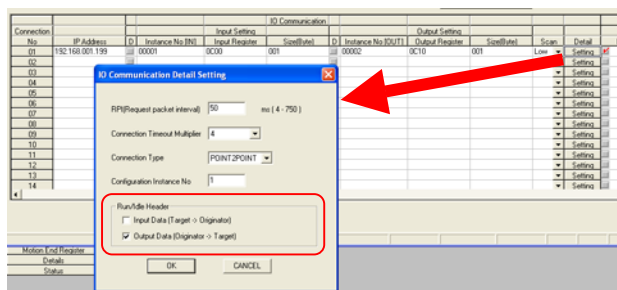
#### No.5 C language MULTiv4.0 environment Correspondence.

It copied 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.



#### 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.

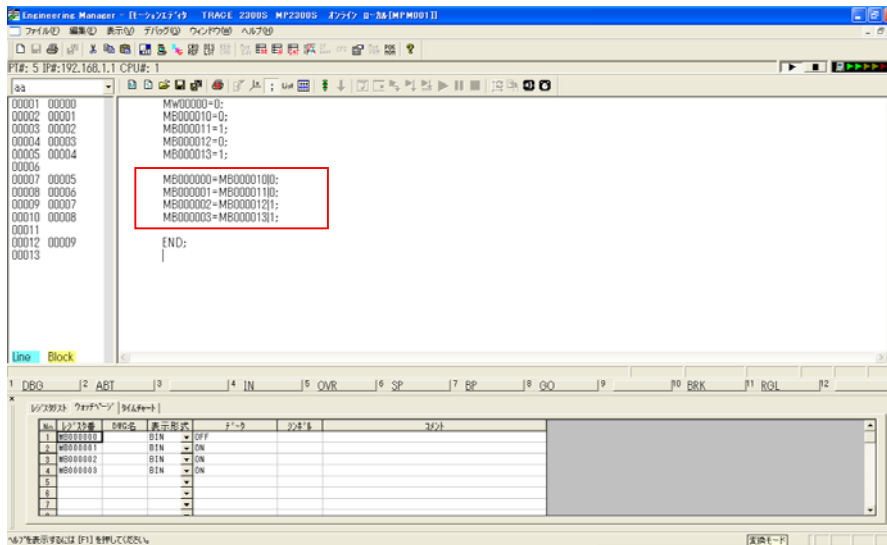


#### No.7 Comment file conversion fault of Ladder converter.

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.



## 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.

