

## **Upgrade Information of MPE720 Version 5.56**

### **1. Added and Improved Functions**

Items added and features improved from MPE720 version 5.55 to version 5.56 are as follows.

No.	Feature	Classification
1	Supports the Distributed I/O of the MECHATROLINK-III	Add module
2	Memory liberating at copy & paste of ladder parallel circuits	Improvement
3	Improvement of the register conversion of the Application Converter	Improvement
4	Improvement of the program conversion of the Application Converter	Improvement
5	Improvement of checking of LONG type value range excess in EXPRESSION	Improvement
6	Improvement of "Default" behavior of port setting in Communication Manager	Improvement

## 2. Description

### No.1 Supports the Distributed I/O of the MECHATROLINK-III

The following four Distributed I/O modules of the MECHATROLINK-III are supported.

JEPMC-MTA2900-E

JEPMC-MTA2910-E

JEPMC-MTP2900-E

JEPMC-MTP2910-E

### No.2 Memory liberating at copy & paste of ladder parallel circuits

The extra memory that had been consumed when the parallel circuit was done copying & pasting came to be liberated in ladder editor screen.

### No.3 Improvement of the register conversion of the Application Converter

When the application was changed into MP900→MP2000, this was able to be converted about the following register because it had not been converted by the automatic operation.

Added conversion rule:

·"OW\*\*36" is converted into "OL\*\*52".

·Log display of conversion result as Warning output

### No.4 Improvement of the program conversion of the Application Converter

The compilation check of the motion program is strengthened in the MP2000 series, and something that it is not possible to preserve it exists in MP2000 the same program it is possible to compile in MP900 before.

It failed in the convert processing of the motion program after that when the program that cannot be compiled with such MP2000 in the application converter exists.

This time, it is improved that it is possible to compile continuously even if such a program existed

### No.5 Improvement of checking of LONG type value range excess in EXPRESSION

When the value that exceeded the data range of LONG was described and compiled, an imperfect code was generated in EXPRESSION.

Therefore, the compilation error is done in this case.

## No.6 Improvement of "Default" behavior of port setting in Communication Manager

In the port setting of CP-218 and Ethernet(LP) in the Communication Manager, It is able to be connected with MPU-01 if "Default" is "OFF".

It was not possible to connect to MPU-01 with that setting in previous version.

The screenshot shows the 'CP-218/Ethernet(LP) Port Setting' dialog box. The 'Default' option is set to 'ON' and is highlighted with a red circle. Other settings include IP Address(First) as 192.168.1.2, Engineering Port as 9999, and a 'Message Received' section with TCP/UDP Port Count and Top Port settings.

Field	Value	Range
IP Address(First)	192.168.1.2	
IP Address(Second)		
Default	ON	
Engineering Port	9999	( 256 - 65535 )
Message Received	<input type="checkbox"/>	
TCP Port Count	10	(0 - 16)
TCP Top Port	20000	(20000 - 65535)
UDP Port Count	10	(0 - 16)
UDP Top Port	20000	(20000 - 65535)

Buttons: OK, Cancel