

General Specifications

PM4S7730 Interface Package for CMMS



GS 30B05A20-01EN

[Release 4]

■ GENERAL

Interface for CMMS is a package used to connect Plant Resource Manager (PRM) with Maximo Asset Management, a computerized maintenance management system (CMMS) from IBM Corporation, the U. S. A.

By using this package, Maximo can receive PRM's information online.

■ INTERFACE TO COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM (CMMS)

Maximo Asset Management computerized maintenance management system (CMMS) evaluates conditions of various system and equipment in a plant by analyzing quantitative data to achieve effective and safety maintenance operation of the plant. By connecting with the PRM, Maximo acquires real-time information of field devices online and provides better maintenance environment for the plant.

● Functional specifications

The PRM can be performed the following functions when connected to Maximo Asset Management.

- Device master synchronization (Offline)
PRM exports device master information to Maximo.
- Mapping of plant hierarchy/Maximo structure (Offline)
Establishes a mapping between the equipment hierarchy of Maximo and the plant hierarchy of PRM to import.
- Transmission of work order (Online)
PRM transmits "Work order" to Maximo by calling "work order input dialogue" on the PRM.
- Work order status display (Online)
The progress of the work order transmitted to Maximo can be displayed by linking with the maintenance marks.
- Calling up work progress display (Online)
PRM calls up "progress display" window of Maximo system client.

● **Roles of PRM and Maximo**

PRM and Maximo deal with the same data. The table below shows which system takes initiative of handling the data when the two systems are connected. For detail specifications, refer to the instruction manual of Maximo Asset Management.

Table: Separation of Roles of Plant Resource Computerized Maintenance Management System

Function	PRM	CMMS	Description
Plant hierarchy/CMMS structure	X	XX	Map the facility management system structure of the CMMSs to the plant hierarchy of PRM.
Device master information	XX	X	Export and synchronize device information from PRM to the CMMS.
Parameter and diagnostic tools	X	N/A	
Tool/DD menu	X	N/A	
PRM advanced diagnosis	X	—	
Tool/DeviceViewer	X	—	
PLUG-IN applications	X	N/A	
Event and alarm management (Audit trail)	XX	N/A	
Document management			"Link to document" must be set in each package. A user accesses either PRM or the CMMS depending on the online document needed.
Security	X	X	Proper users are registered in both PRM and the CMMS to set security.
Printing	X	X	Printing is available in both PRM and the CMMS.
Memo	—	X	The PRM functions are still available; however, to prevent duplication, use the CMMS to implement these functions.
Work order/Work order schedule	N/A	X	These are unique functions to the CMMS.
Work progress	N/A	X	
Resource management	N/A	X	
Purchasing/ Budget management	N/A	X	

- XX: Function is enabled. Data transfer is available.
- X: Function is enabled
- : Function exists but not used
- N/A: No function available

● **Connecting with Maximo**

For Maximo, Maximo Enterprise Adaptor (MEA) is required.

Supported Version of Maximo: Ver. 7.5.0.4/7.6.0.0

Refer to the specifications of Maximo for its system server operating environment. When installing the PRM packages in the same computer with Maximo's server, additional main memory and disk capacity of PRM aside from the Maximo's operating environment are required.

■ **OPERATING ENVIRONMENT**

This package runs on a computer where PRM server (PM4S7700) is installed.

Refer to the General Specifications "Plant Resource Manager" (GS 30B05A10-01EN) for the PRM server operating environment.

■ MODELS AND SUFFIX CODES

Interface for CMMS

		Description
Model	PM4S7730	Interface Package for CMMS
Suffix Codes	-V	Software license
	1	Always 1
	1	English version
Option Code	/MAXIMO	For Maximo (*1) (*2)

*1: Specify the option code "/MAXIMO" for connecting with Maximo Asset Management.

*2: Purchasing of Maximo Asset Management and Maximo Enterprise Adaptor (MEA) is required.

■ ORDERING INFORMATION

Specify model and suffix codes.

■ TRADEMARKS

- PRM, CENTUM, ProSafe, STARDOM, FAST/TOOLS, Exaopc, FieldMate, and Vnet/IP are either registered trademarks or trademarks of Yokogawa Electric Corporation.
- Other product and company names appearing in this document are trademarks or registered trademarks of their respective holders.