

MES Interface Module



Direct connection from the shop floor to the MES databases

The new MELSEC Q series MES module allows users to interface their production control systems directly to an MES database. (MES: Manufacturing Execution System).

Special features:

- It removes the need for an interfacing PC layer – reducing hardware costs and installation time.
- It removes the need for specialist interfacing software run on the PC layer; saving on expensive software and services while reducing installation costs.
- It simplifies the MES architecture reducing the total commissioning time.
- It can improve reliability and accessibility as the module is based on industrial PLC design standards.
- The simplified system provides greater direct data visibility increasing the opportunity to achieve higher productivity.

Specifications		QJ71MES96
Module type		MES interface module
Transmission method		Ethernet
Interface	type	10BASE-T/100BASE-TX
Data base interface function	Common	Interacts with databases via user-defined jobs
	Tag function	Collects device data of the PLC CPUs on the network in units of tags
	Trigger monitoring function	Monitors the status of conditions (time, tag, values etc.) that initiate jobs
	Trigger buffering function	The MES interface module buffers the data and trigger time to internal memory
	SQL text transmission	Automatically generates the correct SQL message according to requirements of each supported database type.
	Arithmetic processing	Formulas can be applied to data before sending from the MES interface module.
	Program execution	Executes programs in the application server computer at the beginning and end of a job.
Software functions	No. of connected databases	32 items/project max.
	Supported databases	Oracle® 8i, Oracle® 9i, Oracle® 10g, Microsoft® SQL Server 2000, Microsoft® SQL Server 2000 Desktop Engine (MSDE2000), Microsoft® Access 2000, Microsoft® Access 2003
	No. of data settings	64 items/project max. (256 components/tag, 4096 components/project)
Memory capacity		1 CompactFlash card can be installed
I/O points		32
Internal power consumption (5 V DC)	mA	650
Weight	kg	0.16
Dimensions (WxHxD)	mm	27.5x98x90
Order information	Art. no.	200698