

Precautions When the MELSEC-Q Series Modules with the Ethernet Port are Used at 10Mbps

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■Relevant Models

QJ71E71-100, QJ71MT91, QJ71FL71-T, QJ71FL71-T-F01, QJ71WS96, QD81DL96, QJ71DC96, QJ71MES96N

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC-Q series. We will inform you of the precautions when the MELSEC-Q series modules with the Ethernet port are used at a communication speed of 10Mbps.

1 RELEVANT MODEL

The following table lists the relevant models.

Product	Model	The first six digits of a serial number
Ethernet interface module	QJ71E71-100	"201224" or later
MODBUS/TCP interface module	QJ71MT91	"220213" or later
FL-net(OPCN-2) interface module	QJ71FL71-T	"211112" or later
	QJ71FL71-T-F01	"211113" or later
Web server module	QJ71WS96	"211125" or later
High speed data logger module	QD81DL96	"210820" or later
High speed data communication module	QJ71DC96	"210827" or later
MES interface module	QJ71MES96N	"210823" or later

2 PRECAUTIONS

For the relevant models, the communication standard of 10Mbps has been changed from 10BASE-T (IEEE 803.3i) to 10BASE-Te (IEEE 802.3az). The IEEE standard for 10BASE-Te defines that the communications between the model with the 10BASE-Te specification and the model with the 10BASE-T specification can be performed as well as the communications between the models with the 10BASE-Te specification.

Communications, however, may not be performed normally depending on the external device.



In this case, take the measures described in Chapter 3. The communication standard of 100Mbps is not changed. It is not required to take measures when the relevant module is used at a communication speed of 100Mbps.

3 MEASURES TAKEN BY USERS

To perform communications normally, add a switching hub between the target model and external device.

We have confirmed that the behavior is appropriate between the target model and external device using the following switching hubs. Thus, we recommend using them.

For how to use the switching hubs, refer to each manual in the following table.

Product	Manufacturer	Model	References
Industrial switching HUB	Mitsubishi Electric Corporation	NZ2EHG-T8N	 10/100/1000M Industrial Switching HUB NZ2EHG-T8N User's Manual
Industrial managed switch		NZ2MHG-T8F2	 Industrial Managed Switch User's Manual

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REVISIONS

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