MOVICON 中 MITSUBISHI PLC 驱动的建立

一、MOVICON 组态软件驱动的建立:

1、新建项目时使用向导创建驱动;

2、项目设计中在 Project Explorer (项目浏览器)中创建驱动;

二、MITSUBISHI Q PLC 驱动的建立

下面以第二种方式即在项目设计中在 Project Explorer(项目浏览器)中创建驱动为例描述 MITSUBISHI PLC 驱动的建立。

鼠标在窗口左侧 Project Explorer 上悬停片刻会弹出 Project Explorer 窗口,如图一所示。在实 时数据库上单击右键,在弹出的菜单中选择增加通讯驱动。



选择增加通讯驱动后,弹出增加通讯驱动对话框。左侧可用驱动列表中列出了 MOVICON 组态 软件所支持的 PLC, 右侧通讯驱动属性中对该 PLC 驱动的简单描述, 如图二所示。



由驱动列表可以看出,目前 MOVICON 对 MITSUBISHI PLC 的 FX 系列、Q 系列以太网 (QJ71E71)和Q系列串行通信模块(QJ71C24)提供了支持。并且驱动在不停的更新增加中。 选择其中一个驱动后单击确定,将驱动加入项目。下面对加入项目的驱动进行设置(以Q以太 网为例)。在 Project Explorer 中双击您加入的驱动打开驱动属性窗口,如图三所示。

SYSLINK AUTOMATION



图三

在驱动属性窗口中单击设置,弹出驱动设置对话框,如图四所示。



图五

SYSLINK AUTOMATION

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驱动设置对话框中有四个标签,单击 Stations,单击 ADD 增加个新站,如图五所示。Station Properties 对话框, Station Name 属性中填写您定义的 Q PLC 站的名称。TCP/IP Settings 中 Server Address 填写 Q PLC 的 IP 地址, Server Port 中将 PLC 设置的端口号(Host Station Port No)(十 六进制)转换成十进制后填入,其它默认即可(图六、图七为使用 GX Developer 对以太网的部分 设置窗口)。设置完后单击确定退出驱动设置对话框。至此 MOVICON 对 Q PLC 访问设置告一段落。 三、访问 MITSUBISHI Q PLC 的变量

继续以QPLC为例,在 Project Explorer 变量列表中增加一个变量,双击该变量打开变量属性窗口。在一般、动态中单击动态后的省略号打开变量浏览器如图六所示。

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-	增加	删除	Property	Name
	MELSEC-Q TCP		名称 文件名 版本 上一次错误 设置 检查更新 号性性	MELSEC-Q TCP QJ71E71_TC MOVICON, M
	•	۱.	1	

图六

选择通讯驱动选项卡,单击增加或双击 MELSEC-Q TCP 驱动打开 Task Properties 对话框,在 Start Address 中填上 PLC 的内部变量如 D0、M3、X0、Y0 等,如图七。

Property	Name
🗖 General	
Station	QJ71E71
Type	Input/Output
# Elements	
Write outputs at startup	p False
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Start Address	
flease enter the device ad	
	确定 取消 应用 (A) 帮助
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- 四、MITSUBISHI PLC 串行通讯驱动的建立及变量的访问
 - 串行驱动的建立和变量访问与Q以太网步骤相同。
 - 1、FX PLC 通过编程口和计算机的串口连接;

2、串行通信模块(QJ71C24N)需要注意的是 Station Properties 对话框中 PLC Settings 中 Station ID 应和 PLC 的站号设置一致,波特率、数据位、校验位、停止位 PLC 与 MOVICON 需一 致,其中波特率最高 23400。协议采用 FORMAT1。QJ71C24N 的这些参数在模块的开关设置中设定,有关 QJ71C24N 的开关设定, http://www.syslink.com.cn 上有 QJ71C24N 开关设定辅助软件,可免费下载。

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有关 MOVICON X 的通讯驱动或 MOVICON X 使用的任何问题可以到 MOVICON X 的技术论坛 交流: <u>http://www.syslink.com.cn/dvbbs/list.asp?boardid=3</u>