

DRL provider
Molex DRL board

Version 1.0.0

User's guide

Jun 21, 2016

[Remarks]



[Revision history]

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[Supported device]

Model	Version	Note
DRL-EIP-PCIE	4.1.0	

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1. Introduction

This is a user's guide of DRL provider which accesses to a DRL board made by molex. Its target DRL board is DRL-EIP-PCIE.

For details, refer to ApplicomIO PC Network Interfaces installation CD-ROM in molex.

Note: To use DRL provider, a device driver of DRL board shall be installed. After installing the driver, the provider requires Registry registration. For details of how to register registry, see Table 2-1.

2.2.2. CaoController::AddVariable method

This method creates a variable object which accesses to DRL board.

For a variable name, only variables written in 2.3.1 are available. If other variable names are specified, an error occurs.

Syntax AddVariable(<bstrName:BSTR > [,<bstrOption:BSTR>])

bstrName : [in] any name

bstrOption : [in] Option character string

By using the following things as option character strings, you can specify buffer size.

Table 2-3 Option character string of CaoController::AddVariable

Option	Description
Size[=<Data length >]	Data length of reading and writing (in bytes Default: 1)

2.2.3. CaoController:: get_VariableNames property

Obtain variable names shown in 2.3.1.

2.2.4. CaoVariable::get_Value property

Obtain information corresponding to variables. For implementation status and data to be obtained, refer to 2.3.1.

2.2.5. CaoVariable::put_Value property

Set information corresponding to variables. For implementation status and data to be set, refer to 2.3.1.

2.3. Variable list

2.3.1. Controller class

Table 2-4 Control class User variable list

Variable name	Data type	Description	Attribute		Option
			get	put	Size
IO?	VT_ARRAY VT_UI1	Execute obtaining the current value of I/O. Offset value can be specified in the end of the variable name," ? “..	✓	-	<input type="checkbox"/>
FIO?	VT_ARRAY VT_UI1	Execute setting the current value of I/O and obtaining the setting value. Offset value can be specified in the end of the variable name," ? “. Just at that time of completed AddVariable, if FIO variable is gotten, 0 will be returned because DRL board does not have a function of which the value can obtain output in progress.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>