

## Advantech AE Technical Share Document

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Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	WinCE5
Abstract	How to get APAX local IO status in KW Multiprog		
Keyword	APAX IO, Multiprog, IO status, error table		
Related Product	Multiprog, APAX-5520KW, APAX-5620KW, APAX-6572KW		

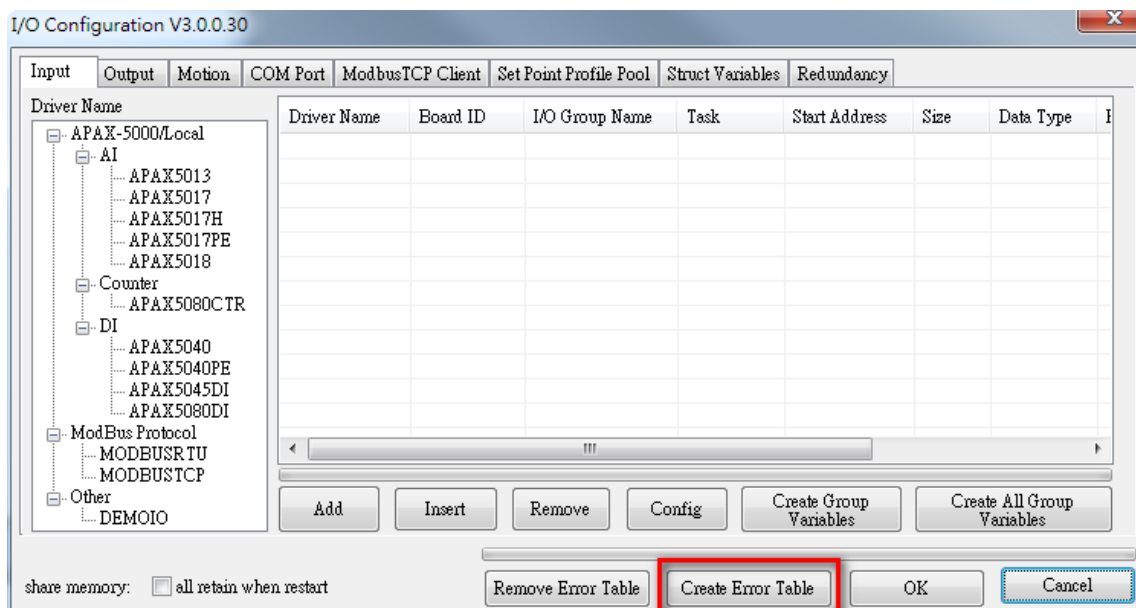
### [Problem]

How to get APAX local IO status in KW Multiprog?



### [Solution]

1. Create error table by clicking the “Create Error Table” button in Advantech DAQ



2. In the global variable list, the error status table is generated automatically as

### Error Overview

- Current counter of System errors, local IO errors, remote input errors and remote output errors
- System error flags
- Local I/O error flags

Advantech Error Overview				
SysErrCnt	INT	VAR_GL...	Current count of system errors happened [ 4x60...	%MW3.116000
LocalErrCnt	INT	VAR_GL...	Current count of local IO boards having errors [ 4...	%MW3.116002
RemoteInErrCnt	INT	VAR_GL...	Current count of remote input slaves having error...	%MW3.116004
RemoteOutErrCnt	INT	VAR_GL...	Current count of remote output slaves having err...	%MW3.116006
SysErrFlag	DWORD	VAR_GL...	Each bit indicates an error [ 4x60011 - 4x60012 ]	%MD3.116020
LocalIOErrFlag	DWORD	VAR_GL...	Each bit indicates the error status of each board...	%MD3.116040

(Note: "AdvGetBoardErrStatus" FB also can use to get all error status from I/O boards)

### Current error code: B000~B031

Name	Type	Usage	Description	Address
Advantech Local IO Error Table				
B000_Error	WORD	VAR_GL...	Current error code in board 000 [ 4x60031 ]	%MW3.116060
B001_Error	WORD	VAR_GL...	Current error code in board 001 [ 4x60032 ]	%MW3.116062
B002_Error	WORD	VAR_GL...	Current error code in board 002 [ 4x60033 ]	%MW3.116064
B003_Error	WORD	VAR_GL...	Current error code in board 003 [ 4x60034 ]	%MW3.116066
B004_Error	WORD	VAR_GL...	Current error code in board 004 [ 4x60035 ]	%MW3.116068
B005_Error	WORD	VAR_GL...	Current error code in board 005 [ 4x60036 ]	%MW3.116070
B006_Error	WORD	VAR_GL...	Current error code in board 006 [ 4x60037 ]	%MW3.116072
B007_Error	WORD	VAR_GL...	Current error code in board 007 [ 4x60038 ]	%MW3.116074
B008_Error	WORD	VAR_GL...	Current error code in board 008 [ 4x60039 ]	%MW3.116076
B009_Error	WORD	VAR_GL...	Current error code in board 009 [ 4x60040 ]	%MW3.116078
B010_Error	WORD	VAR_GL...	Current error code in board 010 [ 4x60041 ]	%MW3.116080

### Remote input error table

Index: 001~062; Error: 001~062

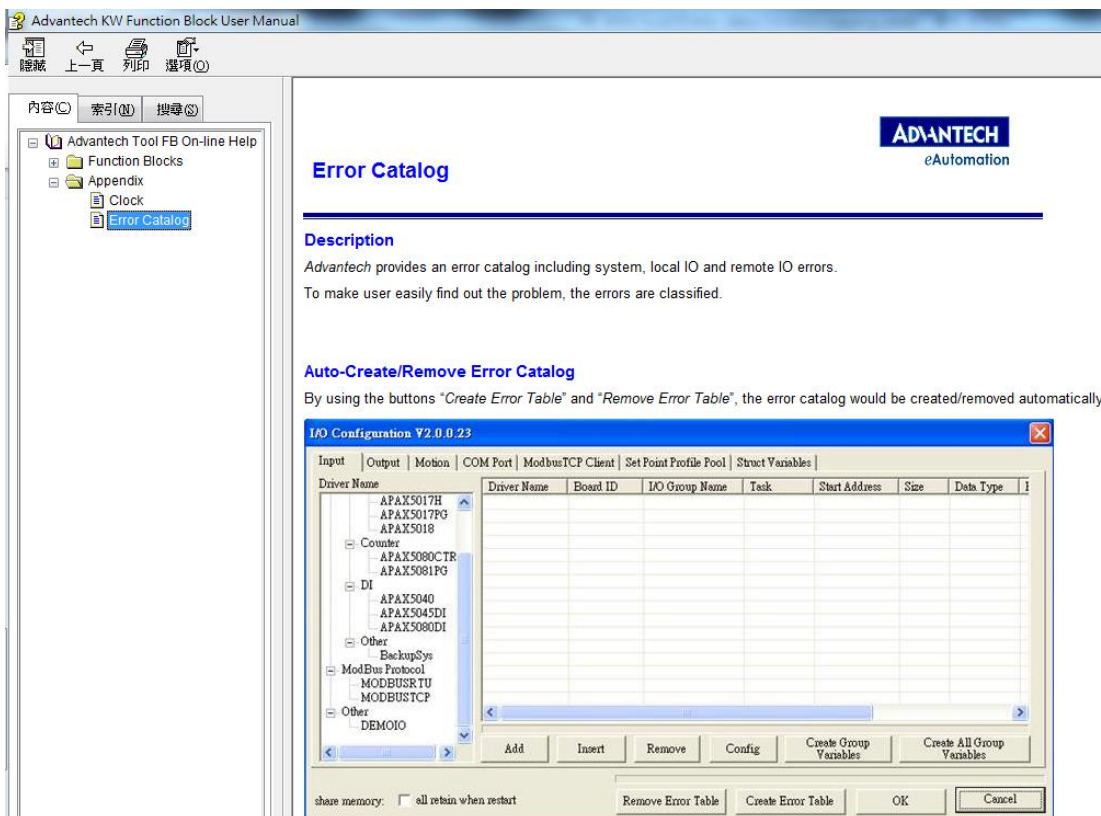
Advantech Remote Input Error Table				
RIn001_Error	WORD	VAR_GL...	Current error code of RIn 001_Index [ 4x60101 ]	%MW3.116200
RIn001Index	WORD	VAR_GL...	The IO start address of RIn 001_Index [ 4x60102 ]	%MW3.116202
RIn002_Error	WORD	VAR_GL...	Current error code of RIn 002_Index [ 4x60103 ]	%MW3.116204
RIn002Index	WORD	VAR_GL...	The IO start address of RIn 002_Index [ 4x60104 ]	%MW3.116206
RIn003_Error	WORD	VAR_GL...	Current error code of RIn 003_Index [ 4x60105 ]	%MW3.116208
RIn003Index	WORD	VAR_GL...	The IO start address of RIn 003_Index [ 4x60106 ]	%MW3.116210
RIn004_Error	WORD	VAR_GL...	Current error code of RIn 004_Index [ 4x60107 ]	%MW3.116212
RIn004Index	WORD	VAR_GL...	The IO start address of RIn 004_Index [ 4x60108 ]	%MW3.116214
RIn005_Error	WORD	VAR_GL...	Current error code of RIn 005_Index [ 4x60109 ]	%MW3.116216
RIn005Index	WORD	VAR_GL...	The IO start address of RIn 005_Index [ 4x60110 ]	%MW3.116218
RIn006_Error	WORD	VAR_GL...	Current error code of RIn 006_Index [ 4x60111 ]	%MW3.116220
RIn006Index	WORD	VAR_GL...	The IO start address of RIn 006_Index [ 4x60112 ]	%MW3.116222
RIn007_Error	WORD	VAR_GL...	Current error code of RIn 007_Index [ 4x60113 ]	%MW3.116224
RIn007Index	WORD	VAR_GL...	The IO start address of RIn 007_Index [ 4x60114 ]	%MW3.116226
RIn008_Error	WORD	VAR_GL...	Current error code of RIn 008_Index [ 4x60115 ]	%MW3.116228
RIn008Index	WORD	VAR_GL...	The IO start address of RIn 008_Index [ 4x60116 ]	%MW3.116230
RIn009_Error	WORD	VAR_GL...	Current error code of RIn 009_Index [ 4x60117 ]	%MW3.116232
RIn009Index	WORD	VAR_GL...	The IO start address of RIn 009_Index [ 4x60118 ]	%MW3.116234
RIn010_Error	WORD	VAR_GL...	Current error code of RIn 010_Index [ 4x60119 ]	%MW3.116236
RIn010Index	WORD	VAR_GL...	The IO start address of RIn 010_Index [ 4x60120 ]	%MW3.116238

### Remote output error table

Index :001~062 ; Error: 001~062

Advantech Remote Output Error Table					
ROut001_Error	WORD	VAR_GL...	Current error code of ROut 001_Index [ 4x60251 ]	%MW3.116500	
ROut001Index	WORD	VAR_GL...	The IO start address of ROut 001_Index [ 4x602...	%MW3.116502	
ROut002_Error	WORD	VAR_GL...	Current error code of ROut 002_Index [ 4x60253 ]	%MW3.116504	
ROut002Index	WORD	VAR_GL...	The IO start address of ROut 002_Index [ 4x602...	%MW3.116506	
ROut003_Error	WORD	VAR_GL...	Current error code of ROut 003_Index [ 4x60255 ]	%MW3.116508	
ROut003Index	WORD	VAR_GL...	The IO start address of ROut 003_Index [ 4x602...	%MW3.116510	
ROut004_Error	WORD	VAR_GL...	Current error code of ROut 004_Index [ 4x60257 ]	%MW3.116512	
ROut004Index	WORD	VAR_GL...	The IO start address of ROut 004_Index [ 4x602...	%MW3.116514	
ROut005_Error	WORD	VAR_GL...	Current error code of ROut 005_Index [ 4x60259 ]	%MW3.116516	
ROut005Index	WORD	VAR_GL...	The IO start address of ROut 005_Index [ 4x602...	%MW3.116518	
ROut006_Error	WORD	VAR_GL...	Current error code of ROut 006_Index [ 4x60261 ]	%MW3.116520	
ROut006Index	WORD	VAR_GL...	The IO start address of ROut 006_Index [ 4x602...	%MW3.116522	
ROut007_Error	WORD	VAR_GL...	Current error code of ROut 007_Index [ 4x60263 ]	%MW3.116524	
ROut007Index	WORD	VAR_GL...	The IO start address of ROut 007_Index [ 4x602...	%MW3.116526	
ROut008_Error	WORD	VAR_GL...	Current error code of ROut 008_Index [ 4x60265 ]	%MW3.116528	
ROut008Index	WORD	VAR_GL...	The IO start address of ROut 008_Index [ 4x602...	%MW3.116530	
ROut009_Error	WORD	VAR_GL...	Current error code of ROut 009_Index [ 4x60267 ]	%MW3.116532	
ROut009Index	WORD	VAR_GL...	The IO start address of ROut 009_Index [ 4x602...	%MW3.116534	
ROut010_Error	WORD	VAR_GL...	Current error code of ROut 010_Index [ 4x60269 ]	%MW3.116536	
ROut010Index	WORD	VAR_GL...	The IO start address of ROut 010_Index [ 4x602...	%MW3.116538	

### 3. The relative documents can be found in “Advantech KW Block User Manual”



User can click right button on “AdvToolPack” FB to open the “Advantech KW Block User Manual”

