

Advantech AE Technical Share Document

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Category	■ FAQ □ SOP	Related OS	WinCE
Abstract	The number definition of Advantech KW function block		
Keyword	function block, internal error		
Related Product	ADAM-5550KW, ADAM-5560KW, APAX-5520KW APAX-5522KW, APAX-5620KW, APAX-6572KW		

[Problem]

When you download the KW project to PAC controller (besides ADAM-5510), the Multiprog message window shows the message as ***"Internal error! Invalid firmware function of function block '154'!"***. The below table provides the Advantech FB number definition.



[Solution]

The number definitions of Advantech KW function block are defined as the below table.

Function Block	No.	Function Block	No.
FBNR_ADVSQL_INIT	150	FBNR_GROUP_READ_ERROR	210
FBNR_ADVSQL_Read	151	FBNR_GROUP_READ_ACTUAL_POS	211
FBNR_ADVSQL_WRITE	152	FBNR_GROUP_READ_ACTUAL_VEL	212
FBNR_SEND_MAIL	153	FBNR_GROUP_RESET	213
FBNR_ADV_SCHEDULE	154	FBNR_GROUP_STOP	214
FBNR_ADV_RD_MEM	155	FBNR_GROUP_PATH_SELECT	215
FBNR_ADV_WR_MEM	156	FBNR_GROUP_PATH_MOVE	216
FBNR_ADV_GET_CNT_VAL	157	FBNR_CHANGE_LINE_VEL	217
FBNR_ADV_EN_SYS_WDT	158	FBNR_ADV_SET_FUN_CFG	218
FBNR_ADV_COM_SEND	160	FBNR_ADV_GET_FUN_STA	219
FBNR_ADV_COM_RECV	161	FBNR_ADV_GET_CJC_STA	220
FBNR_ADV_EVT_TASK	163	FBNR_ADV_SPP_PROFILE	221
FBNR_ADV_CLR_ERR	164	FBNR_ADV_SPEV	222
FBNR_ADV_RD_FREQ	165	FBNR_ADV_OUT_TRIG_SPP	223

FBNR_ADV_PLS_OUT_CONFIG	166	FBNR_ADV_OUT_TRIG_PID	224
FBNR_ADV_PLS_OUT_EN	167	FBNR_ADV_FGEN	225
FBNR_ADV_EN_WDT	168	FBNR_ADV_SET_SYS_TIME	226
FBNR_ADV_GET_HW_STOP	169	FBNR_ADV_GET_SYS_TIME	227
FBNR_ADV_GET_AI_FIFO	170	FBNR_ADV_COM_CLR_RECV	228
FBNR_ADV_GET_COUNT	171	FBNR_ADV_RESTORE_RETAIN	229
FBNR_ADV_SET_SYS_ACT	172	FBNR_ADV_SET_ALL_CNT_CFG	230
FBNR_ADV_CLR_AI_FIFO	173	FBNR_MOVE_RELATIVE	255
FBNR_ADV_RD_FREQ_FLAG	174	FBNR_POWER	256
FBNR_ADV_EN_PLS_OUT_REBUILD	175	FBNR_READ_PARAMETER	257
FBNR_ADV_EN_CTR_BY_CH	176	FBNR_HOME	258
FBNR_ADV_EN_PWM_BY_CH	177	FBNR_WRITE_PARAMETER	259
FBNR_ADV_SET_PWM_CFG	178	FBNR_READ_BOOLPARAMETER	260
FBNR_ADV_RD_SCALED_AI	180	FBNR_WRITE_BOOLPARAMETER	261
FBNR_ADV_RD_RAW_AI	181	FBNR_MOVE_ABSOLUTE	262
FBNR_ADV_WR_SCALED_AO	182	FBNR_READ_STATUS	263
FBNR_ADV_WR_RAW_AO	183	FBNR_READ_AXIS_ERROR	264
FBNR_ADV_RD_DI	184	FBNR_READ_ACTUAL_POSITION	265
FBNR_ADV_WR_DO_BIT	185	FBNR_MOVE_VELOCITY	266
FBNR_ADV_WR_DO_WORD	186	FBNR_RESET	267
FBNR_ADV_RD_CTR_VALUE	187	FBNR_MOVE_ADDITIVE	268
FBNR_ADV_RD_CH_STATUS	188	FBNR_STOP	269
FBNR_ADV_RD_ALM_STATUS	189	FBNR_STEP_ABS_SWITCH	270
FBNR_ADV_CLR_CTR_VALUE	190	FBNR_STEP_LIMIT_SWITCH	271
FBNR_ADV_CLR_CTR_STATUS	191	FBNR_STEP_REF_PULSE	272
FBNR_ADV_CLR_ALM_STATUS	192	FBNR_FINISH_HOMING	273
FBNR_ADV_RD_BATTERY_STATE	193	FBNR_STEP_DIRECT	274
FBNR_ADV_RD_SYS_ACTIVE_STATE	194	FBNR_ABORT_PASSIVE_HOMING	275
FBNR_ADV_KEEP_SYS_ALIVE	195		
FBNR_ADV_Get_Board_Err_Status	196		
FBNR_ADV_PID	197		
FBNR_ADV_EN_ERR_CNT	198		
FBNR_ADV_SET_CNT_CFG	199		
FBNR_ADD_AX_TO_GP	200		
FBNR_REM_AX_FROM_GP	201		
FBNR_CLR_GP	202		
FBNR_MOVE_LINEAR_ABS	203		

FBNR_MOVE_LINEAR_REL	204		
FBNR_MOVE_CIRCLE_ABS	205		
FBNR_MOVE_CIRCLE_REL	206		
FBNR_MOVE_DIRECT_ABS	207		
FBNR_MOVE_DIRECT_REL	208		
FBNR_GROUP_READ_STATUS	209		