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Date	2015 / 04 / 10	SR#	*1-2040634481*
Category	■ FAQ □ SOP	Related OS	WinCE5
Abstract	How to set redundant function in APAX-5620KW		
Keyword	Redundant, APAX-5620KW, ProconOS		
Related Product	APAX-5620KW		

[Problem]

How to set redundant function in APAX-5620KW?
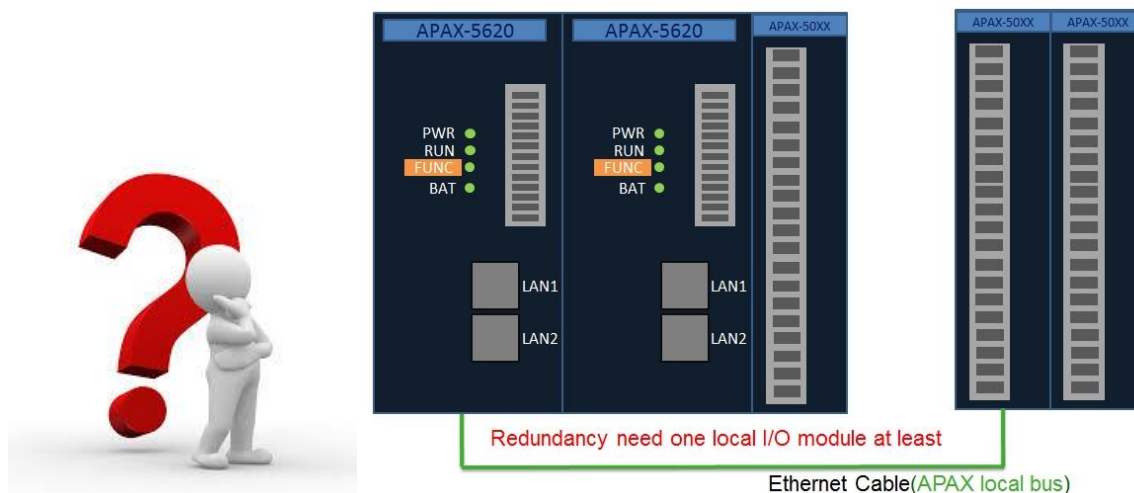
[Solution]

1. Because the redundant function is the new function of APAX-5620KW, first you need to check the versions of OS image, ProconOS, IO library, DSP firmware, FPGA firmware that can support the redundant function or not.

|		
WinCE5 OS image	$\geq$	V2.04 B691
ProconOS	$\geq$	V4.00.78
IO library	$\geq$	V2.06
DSP firmware	$\geq$	A2.00 B04
FPGA firmware	$\geq$	23
KW Multiprog	$\geq$	5.35 V14

2. Adjust the hardware switch SW1 of both APAX-5620KW and you can determine which one is default primary.

ID Address Settings(SW1)	ID Address
ON 1	ID:0 **High priority to be the Primary**
ON 1	ID:1

3. Please check "backup setting" option is "enable" by using APAX .NET utility. This setting will be effective when next reboot.
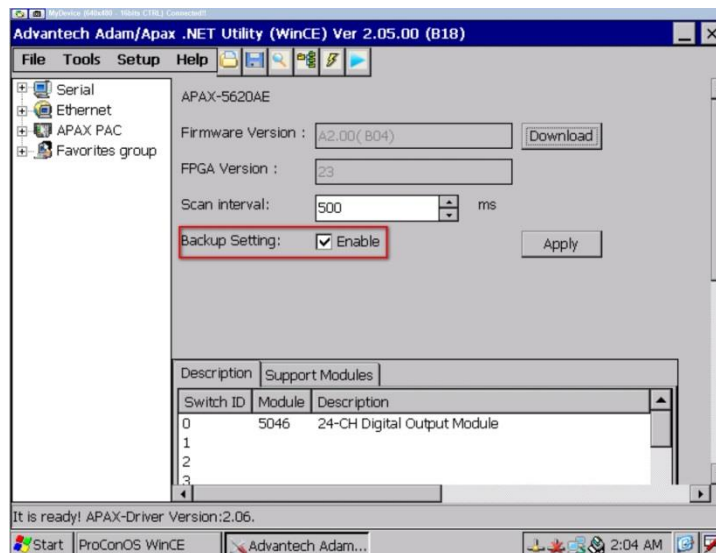
4. Create the new APAX-5620KW template in KW Multiprog and enable redundancy mode in Advantech DAQ before download project.
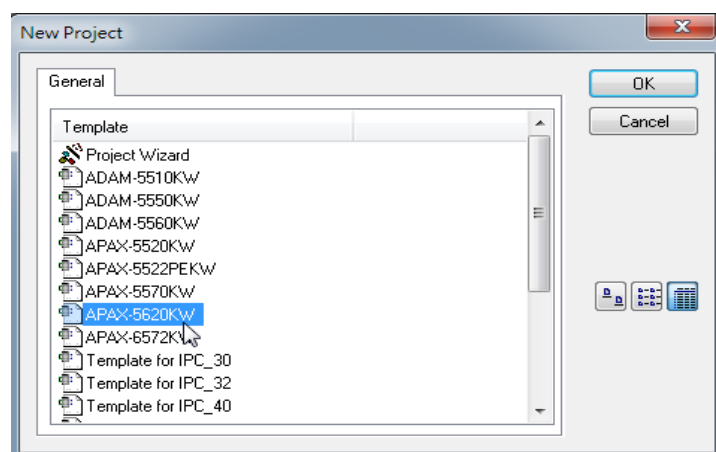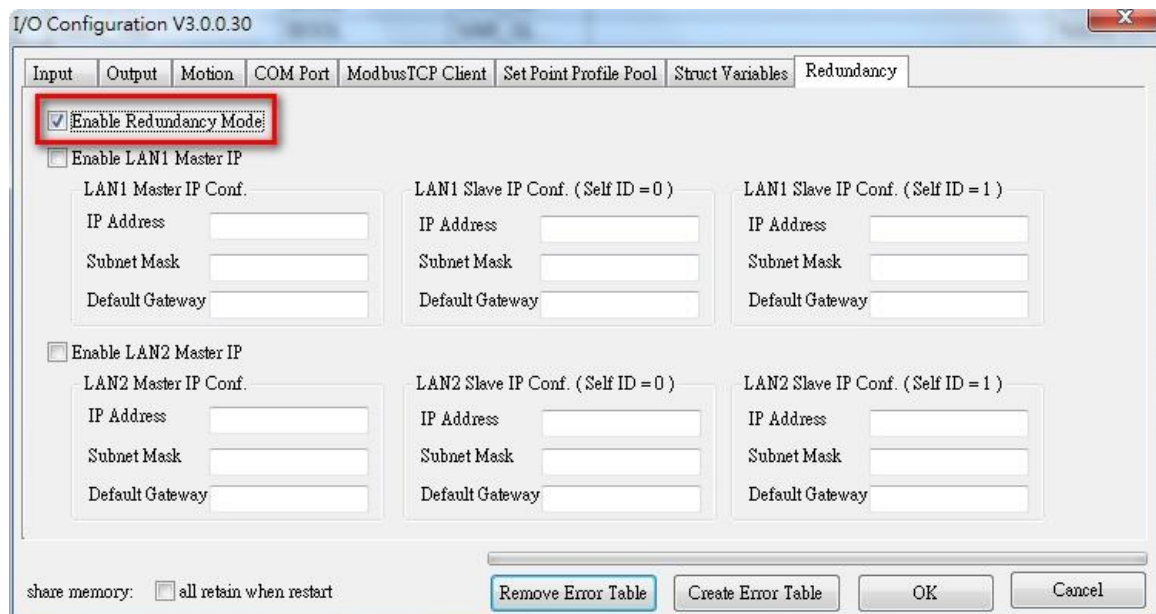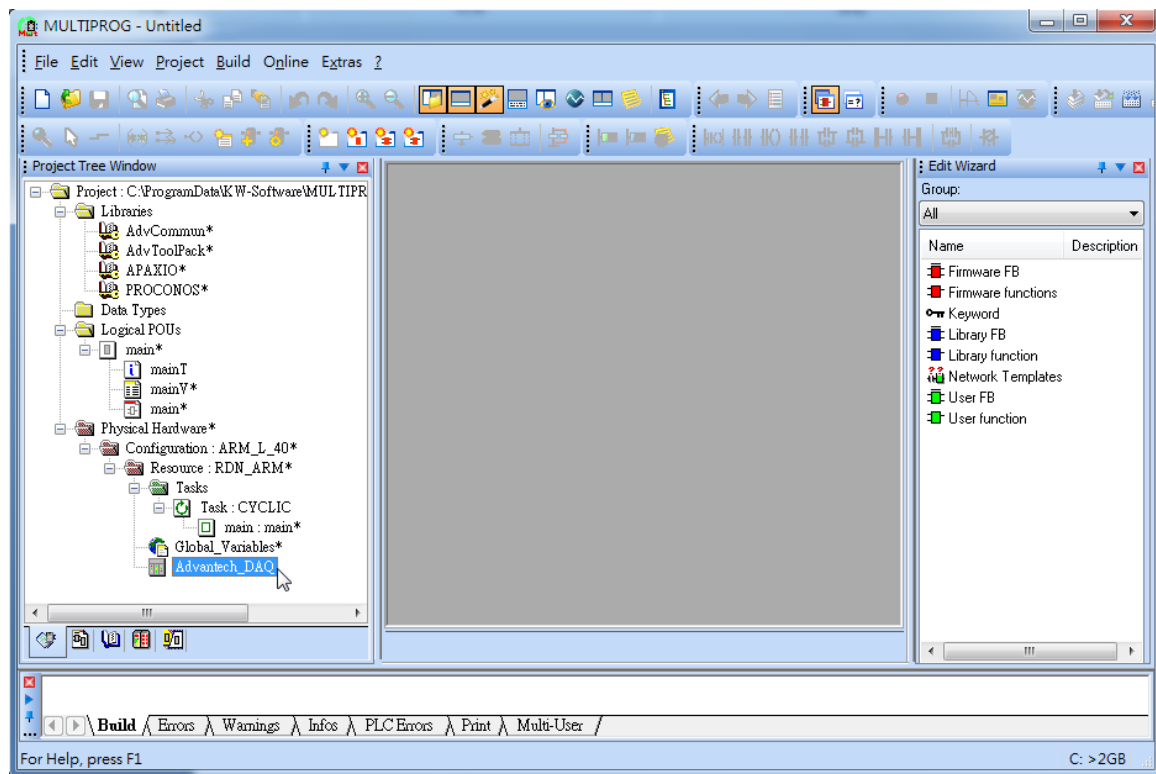
5. Notice & hint of APAX-5620KW redundant system
   ✧ There must have more than one I/O module when starting APAX redundancy.
   ✧ Modbus TCP server of the APAX redundancy, the primary and the secondary controller are both working at the same time.
   ✧ Modbus RTU master/slave of the APAX redundancy, only the master controller is working.

- ✧ This redundant system only supports one task and task interval time recommend not less than 200ms.
- ✧ The boot project of the primary controller must be the same as of the secondary controller to pass the check sum function.
- ✧ APAX-5620KW only supports redundant function and not supports BackupSys function after ProconOS V4.00.69.
- ✧ APAX Redundant system not supports motion and FBs as Adv commun FB, Adv toolpack FB, Apaxio FB.
- ✧ If users want to sync FB data, the "FB sync data" must be set to share memory manually.
- ✧ If the redundancy share IP is enable, the client will disconnect to the sharp IP about 10 sec when switch over because of the Master controller doing IP change.