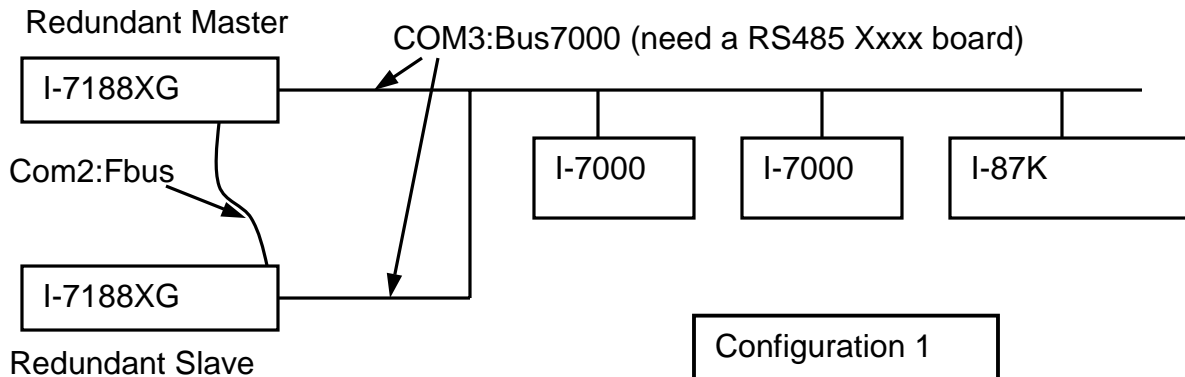


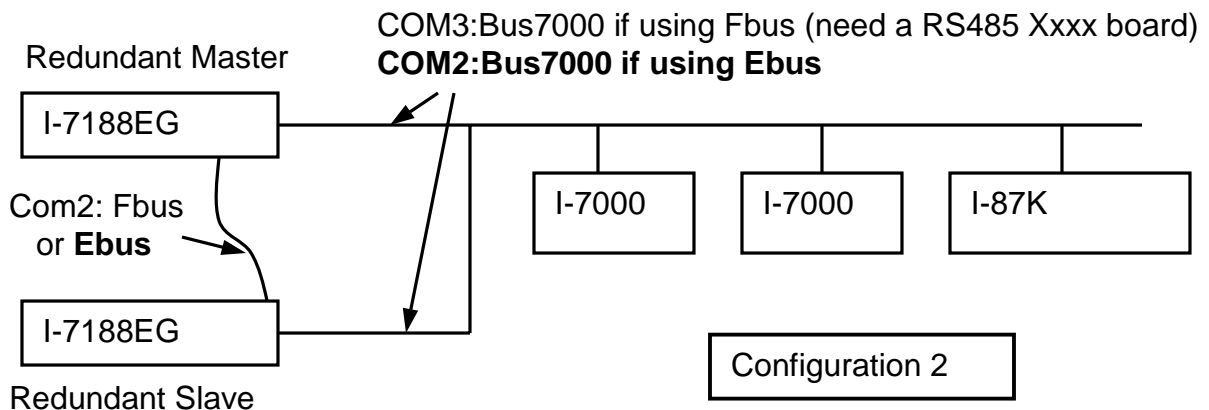
6.4: Redundant Bus7000

7188EG(Rev.1.19 or above), 7188XG(Rev.1.17 or above) & I-8417/8817/8437/8837(Rev.2.27 or above) support Redundant Bus7000. These configurations are listed as the following. The Fbus/Ebus are for exchanging data between the “Redundant Master” & “Redundant Slave”, and the **Fbus/Ebus cable** must be always working(break is not allowed).

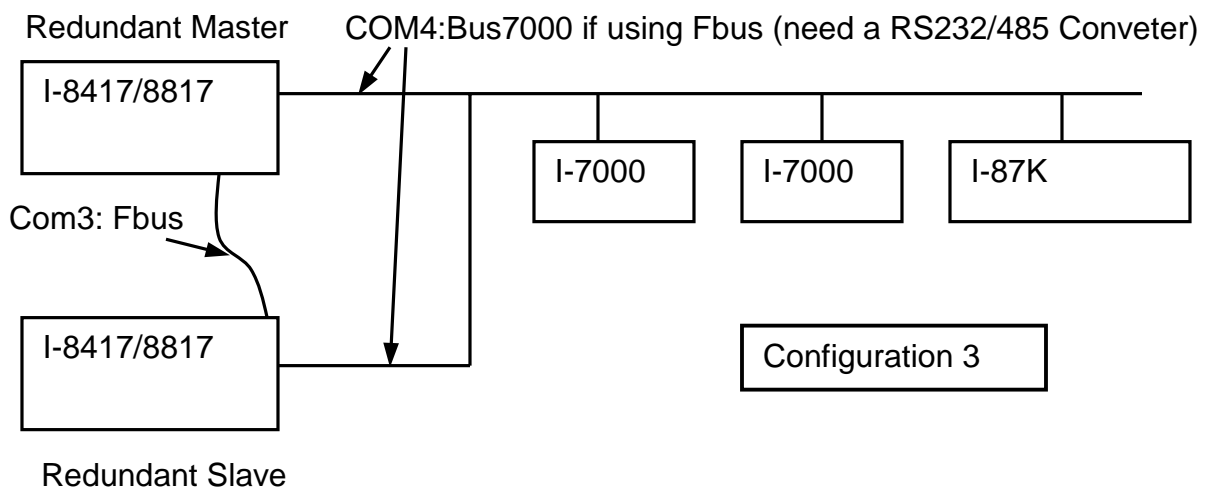
I-7188XG:



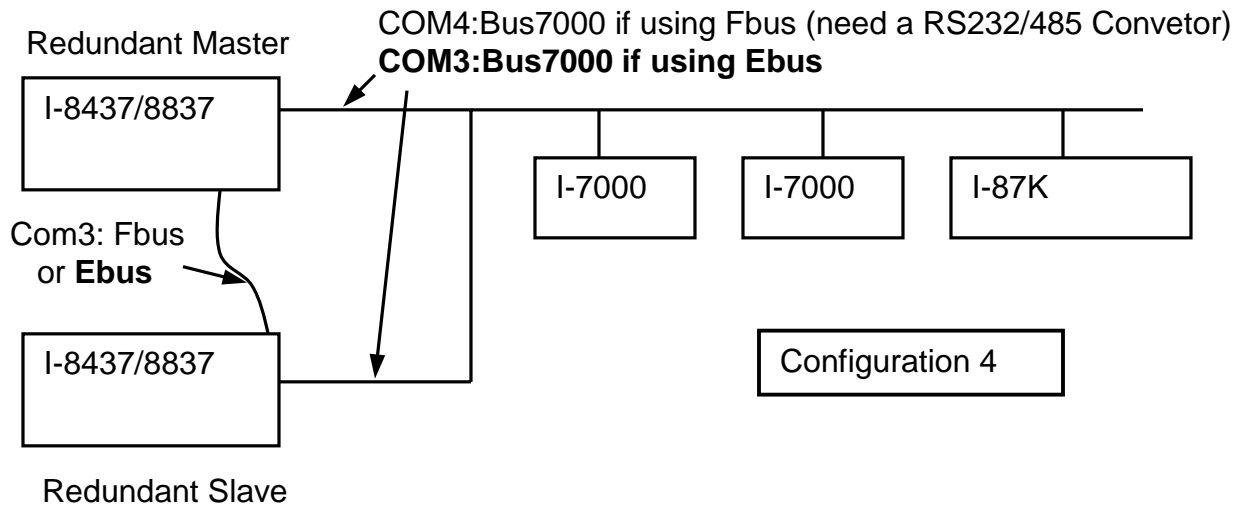
I-7188EG:



I-8417/8817:



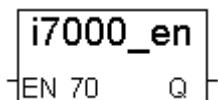
I-8437/8837:



Operations Principle:

1. When the system is powered up, the control right of Bus7000 belong to “Redundant Master”.
2. If “Redundant Master” is dead(Power off), “Redundant Slave” takes over the control right of Bus7000.
3. If “Redundant Master” is alive from dead (power up again), it takes over the control of Bus7000 again.
4. User’s control data is exchanging via Fbus or Ebus.

The “i7000_en” can be used to Enable/Disable the control right of Bus7000. The system’s default status is Enable.



Parameter:

EN_7000_ integer True: Enable, False: Disable

Return:

Q_ boolean Always return True.

Demo example for I-7188XG:

The demo project uses “Configuration 1” and located at **demo_48a & demo_48b**.

It can be download at ICP DAS’s ftp site.

<ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/isagraf/7188xg/demo/>

Demo example for I-7188EG:

The demo project uses “Configuration 2” with Ebus and located at **demo_51a & demo_51b**.

It can be download at ICP DAS’s ftp site.

<ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/isagraf/7188eg/demo/>

Demo example for I-8437/8837:

The demo project uses “Configuration 4” with Ebus and located at **demo_49a & demo_49b**.

It can be download at ICP DAS’s ftp site.

<ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/isagraf/8000/demo/>