

Advantech AE Technical Share Document

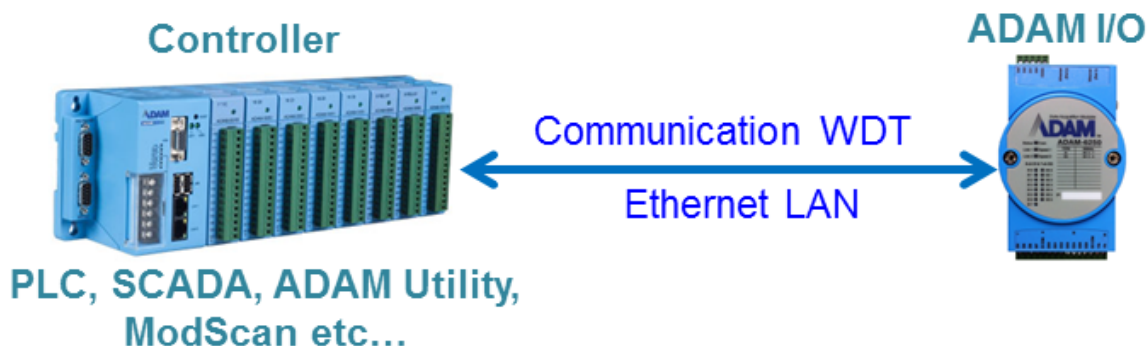
Date	2015/04/13	SR#	1-2042604952
Category	■FAQ □SOP	Related OS	N/A
Abstract	ADAM-60XX and ADAM-62XX_What's the function of communication watch dog timer		
Keyword	ADAM-60XX, ADAM-62XX, WDT, Host Idle Timeout		
Related Product	ADAM-60XX and ADAM-62XX		

■ Problem Description:

This documentation explains the communication WDT function

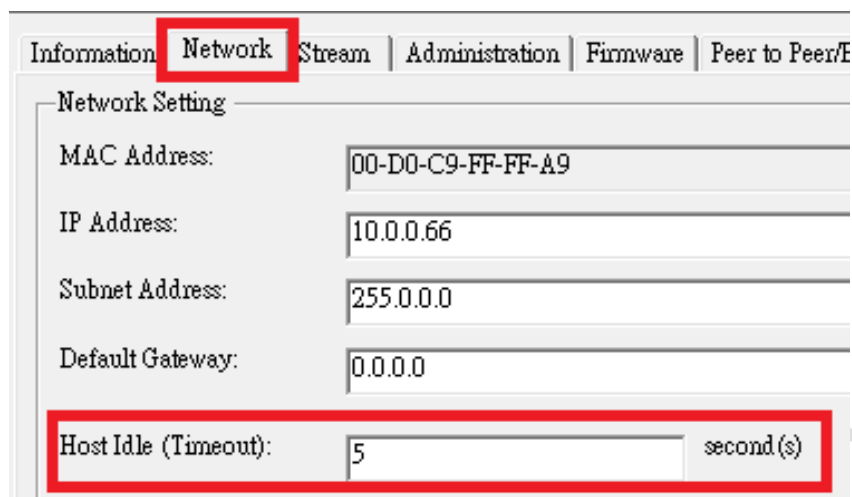
■ Brief Solution - Step by Step:

As the described in the following picture, when the communication between controller and ADAM is fine, there will be the packet transmitted and received periodically.



When the communication is down, with the help of communication WDT, user can turn on or turn off the output within a particular period to prevent unstable or dangerous output status.

User just need to set the host idle and enable the communication WDT in the utility.
The output will be turned on or off according to the setting in the utility.



Information **Network** Stream Administration Firmware Peer to Peer/E

Network Setting

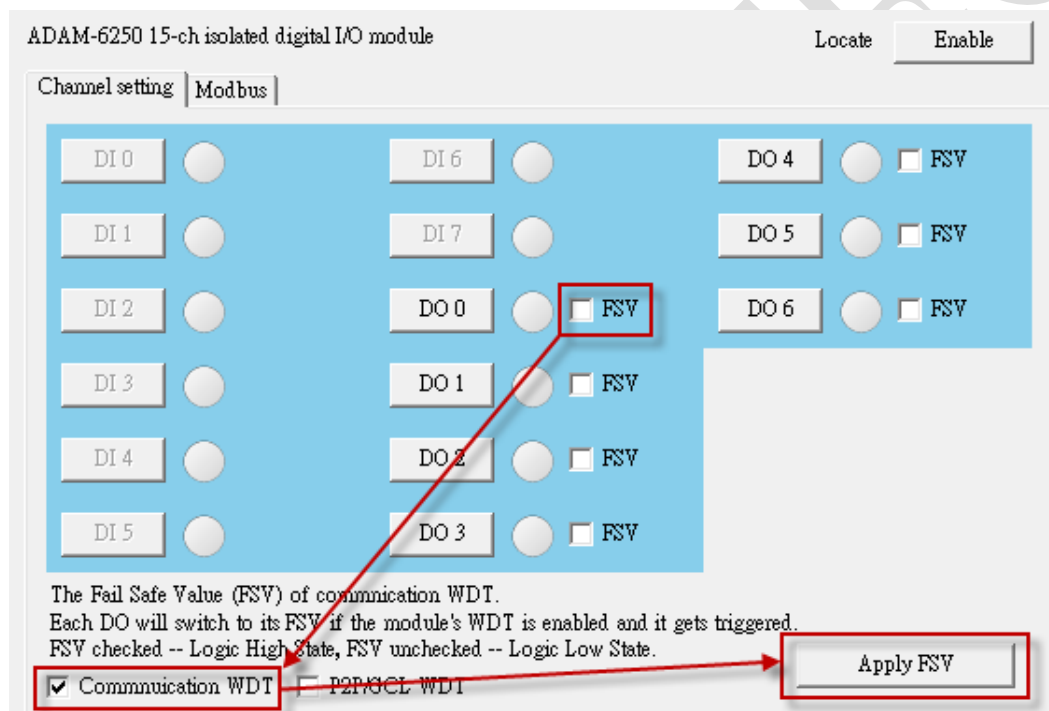
MAC Address: 00-D0-C9-FF-FF-A9

IP Address: 10.0.0.66

Subnet Address: 255.0.0.0

Default Gateway: 0.0.0.0

Host Idle (Timeout): 5 second(s)



ADAM-6250 15-ch isolated digital I/O module Locate Enable

Channel setting Modbus

DI 0	DI 6	DO 4	<input type="checkbox"/> FSV
DI 1	DI 7	DO 5	<input type="checkbox"/> FSV
DI 2	DO 0	DO 6	<input type="checkbox"/> FSV
DI 3	DO 1		<input type="checkbox"/> FSV
DI 4	DO 2		<input type="checkbox"/> FSV
DI 5	DO 3		<input type="checkbox"/> FSV

The Fail Safe Value (FSV) of communication WDT.
Each DO will switch to its FSV if the module's WDT is enabled and it gets triggered.
FSV checked -- Logic High State, FSV unchecked -- Logic Low State.

☒ Communication WDT ☐ P2P/SCL WDT

Apply FSV