Fintek GPIO Utility Operation Manual

1. Systerm requirement

1.1 Operation System support

The Fintek GPIO Utility support Windows XP / Windows 7 X32 / Windows 7 X64 OS

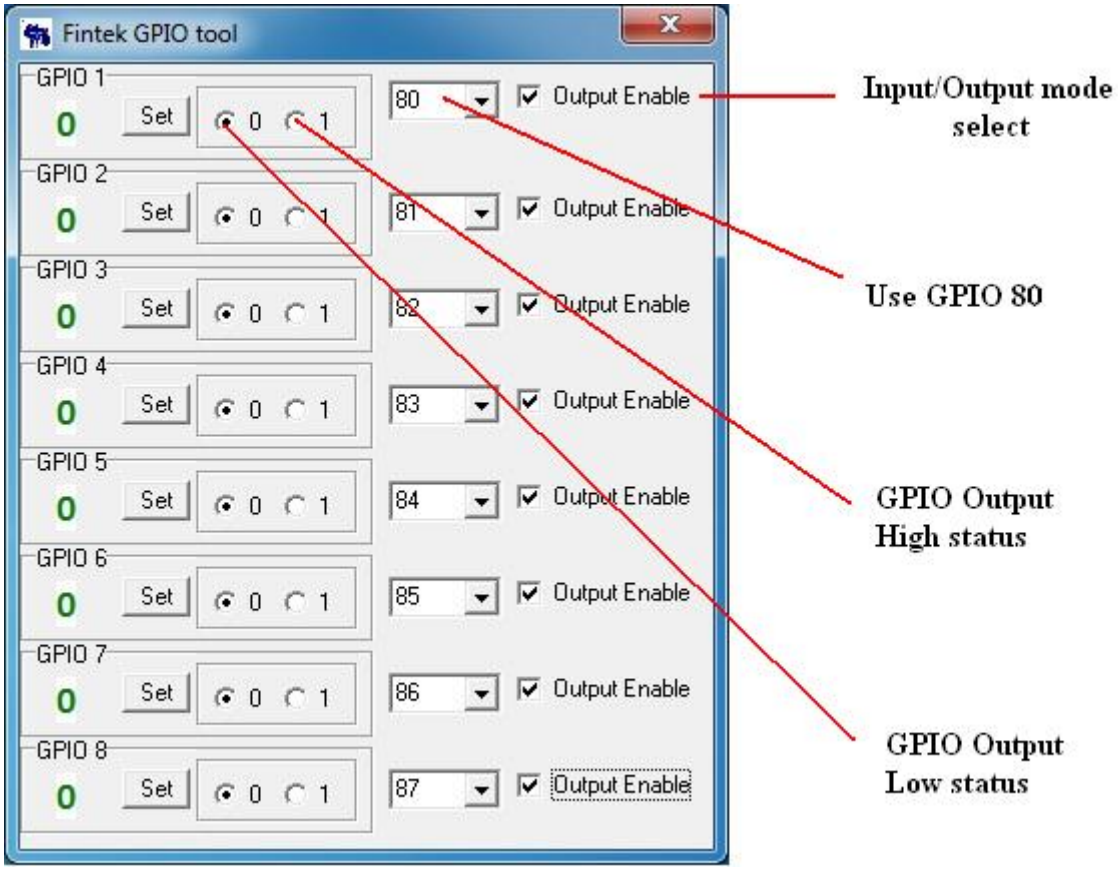
1.2 Fintek IC support

The Fintek GPIO Utility only support Fintek F81866A chipset

1.3 Utility Install and Execute

The Fintek GPIO utility didn’ t need any installation process,
Please directly execute FitGpio.exe file as Administrator.

2. How to use the Fintek GPIO Utility ?



2.1 Setup the Fintek GPIO tool procedure

1. Figure1 : If you didn’ t mark “Output Enable” function ,
   The GPIO pin will be running on “GPIO Input state” .

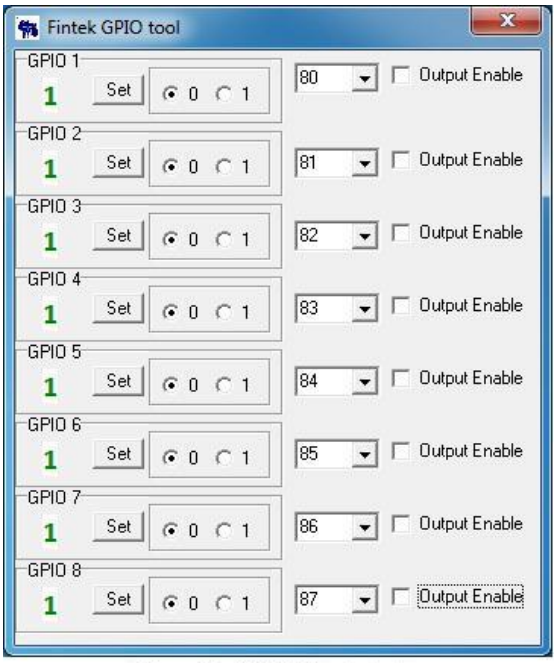


Figure1 : GPIO Input state

2. Figure 2 / Figure 3 : If you mark “Output Enable” function ,
   The GPIO pin will be running on “GPIO Output state” .
   The figure2 is GPIO Output Low state , The figure3 is GPIO Output High state .

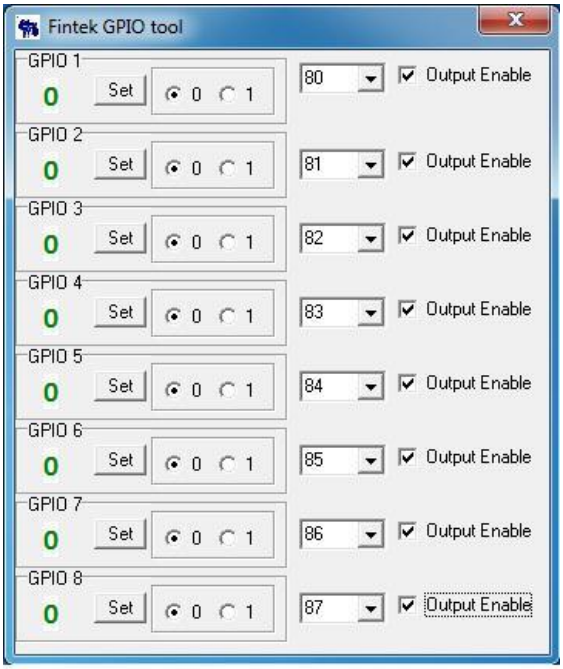


Figure2 : GPIO Output Low state

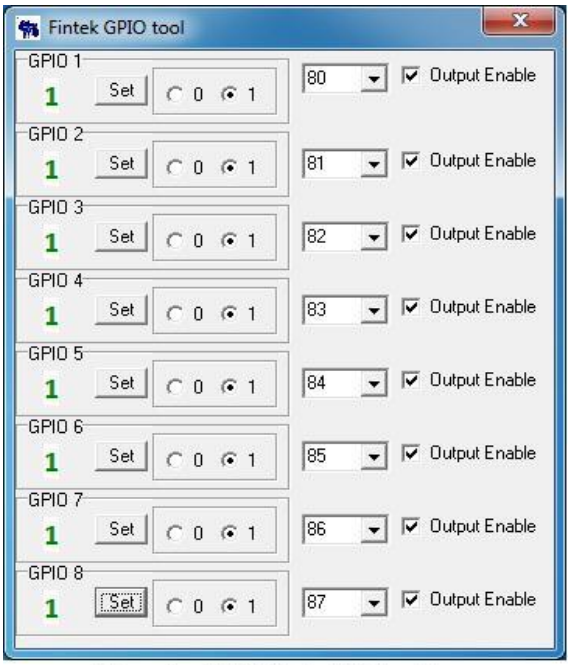


Figure3 : GPIO Output High state

2.2 INI file settings explaination

2.2.1 F81866A setting



1. Please refer to above picture , the descriptions started from [1010] are the settings for F81866A IO chipset.

2. The PinDef80 ~ PinDefF0 are initial settings for F81866A .
(Please don’ t change these settings)
PinDef80=0xFF
PinDef88=0xFF
PinDef90=0xFF
PinDefA0=0xFF
PinDefB0=0xFF
PinDefC0=0xFF
PinDefD0=0xFF
PinDefE0=0xFF
PinDefF0=0xFF

3. You can change the following settings in FinGpio.ini file to set your default GPIO Pin status.

GPIO1=0x80 → Use GPIO80 controller of IO chipset for GPIO Pin1

(Please don’ t change this setting)

GPIO1OE=0 → Set GPIO pin1 to “Input” mode

GPIO1OE=1 → Set GPIO pin1 to “Output” mode

GPIO1Output_Mode=0 → GPIO pin 1 → Ouput mode → Low status

GPIO1Output_Mode=1 → GPIO pin 1 → Ouput mode → High status

…

GPIO2=0x81 → Use GPIO81 controller of IO chipset for GPIO pin2 … and such as this.

2.3 Message information

When you execute the FitGpio.exe file , the system appear following error message … .

1. Message : Open driver FAIL

This mean is enable driver fail , Please confirm to use Administrator authority user running .



2. Message : Can’ t find Fintek IC

The mean is test platform system can’ t not found out FINTEK IC .

