

ET6000 MODBUS Register Tables

[V0.0.3 by Sean]

Common Function for all ET-6000 module

Modules Supported (ET-6000 series)			
Name	Date	Firmware	Note
ET-6052 (D)	1-Dec-2006	V1.00	8 DO, 14 DI
ET6060 (D)	1- Dec -2006	V1.00	8 DO, 10 DI 8 Relay Output (Form A), 10 DI
ET2-6064 (D)	1- Dec -2006	V1.00	24 DO 18 Relay Output (Form A), 6 Relay Output (Form C)

Note: for DO and DI, a register is one byte; while AO and AI, a register is two byte.

Common Functions for all ET-6000 series modules

(0xxxx) DO address					
Begin address	Points	Description	Registers per Point	Range	Access Type
226	1	Recover all I/O default settings	1	1=recover	W (Pulse)
227	1	Recover all web default settings (*)	1	1=recover	W (Pulse)
228	1	ID default settings (*)	1	1=recover	W (Pulse)
229	1	Web Enable/Disable	1	1=recover	W (Pulse)
233	1	Reboot ET-6000	1	1=reboot	W (Pulse)

(*) Not yet implemented for security reason.

(3xxxx) AI address					
Begin address	Points	Description	Registers per Point	Range	Access Type

350	1	OS image version	1	123 means version=1.2.3	R
351	1	Total Firmware version	1	123 means version=1.2.3	R
358	1	Modbus communication status	1	0= No Error -1= CRC error -2= Timeout	R
360	1	Pair Connection	1	0=Normal 1=Timeout 2=Disconnected	R

(4xxx) AO address					
Begin address	Points	Description	Registers per Point	Range	Access Type
555	1	CPU reset status	1	1= by power on 2= by 0.8 second WDT 3= by Reset command	R/W
556	1	CPU reset events	1	How many CPU reset events has happened? When CPU is reset by one of the situations described in register 555, the event increases one count.	R/W/E
557	1	Set host watch dog timer	1	<5: Disabled 5~65535: Enabled (unit: second) (default=0) When ET-6000 loses communication with PC more than the WDT setting, DO and AO go to their safe values and host WDT events plus 1 count.	R/W/E
558	1	Host WDT events	1	How many host WDT events has happened after CPU reset?	R/W
559	1	Module name	4	8 ASCII characters	R
563	1	Module nick name	8	16 ASCII characters	R/W/E

ET-6052 (D)

Detailed Modbus Address Table for ET-6052 (D)

(0xxxx) DO address					
Begin address	Points	Description	Registers per Point	Range	Access Type
0	0~7	Digital Output	1	0=off 1=on	R/W
80	1	Clear all DI latched status (high)	1	1=clear	W (Pulse)
81	1	Clear all DI latched status (low)	1	1=clear	W (Pulse)
82	0~13	Clear low speed (100Hz) digital counter	1	1=clear	W (Pulse)
350	1	Enable all DI latched status (high/low)	1	0=disable 1=enable (default=0)	R/W/E
351	0~13	Enable low speed (100Hz) digital counter	1	0=disable 1=enable (default=0)	R/W/E
431	1	Write DO Power on value to EEPROM	1	1=write	W (Pulse)
432	1	Write DO Safe value to EEPROM	1	1=write	W (Pulse)
435	0~7	Power on value for DO	1	0=off 1=on (default=0)	R/W/E
515	0~7	Safe value for DO	1	0=off 1=on (default=0)	R/W/E

(1xxxx) DI address					
Begin address	Points	Description	Registers per Point	Range	Access Type
0	0~13	Digital Input	1	0=off 1=on	R
80	0~13	Digital latched status (high)	1	0=no 1=latched	R
160	0~13	Digital latched status (low)	1	0=no 1=latched	R

(3xxxx) AI address

Begin address	Points	Description	Registers per Point	Range	Access Type
32	0~13	Low speed (100Hz) digital counter	1	0~65535	R

(3xxxx) AI address (Static Channel Number Value)

Begin address	Points	Description	Registers per Point	Value	Access Type
300	1	DI (channel number)	1	14	R
301	1	DI high/low latch (channel number)	1	14	R
310	1	DO (channel number)	1	8	R
311	1	Power on value for DO (channel number)	1	8	R
312	1	Safe value for DO (channel number)	1	8	R
321	1	Low speed counter (100Hz) (channel number)	1	14	R

(4xxxx) AO address

Begin address	Points	Description	Registers per Point	Range	Access Type
200	0~13	Preset value for low speed (100Hz) digital counter	1	0~65535(default=0)	R/W/E

ET6060 (D)

Detailed Modbus Address Table for ET-6060 (D)

(0xxxx) DO address

Begin address	Points	Description	Registers per Point	Range	Access Type
0	0~7	Digital Output	1	0=off 1=on	R/W
80	1	Clear all DI latched status (high)	1	1=clear	W (Pulse)
81	1	Clear all DI latched status (low)	1	1=clear	W (Pulse)
82	0~9	Clear low speed (100Hz) digital counter	1	1=clear	W (Pulse)
350	1	Enable all DI latched status (high/low)	1	0=disable 1=enable (default=0)	R/W/E
351	0~9	Enable low speed (100Hz) digital	1	0=disable	R/W/E

		counter		1=enable (default=0)	
431	1	Write DO Power on value to EEPROM	1	1=write	W (Pulse)
432	1	Write DO Safe value to EEPROM	1	1=write	W (Pulse)
435	0~7	Power on value for DO	1	0=off 1=on (default=0)	R/W/E
515	0~7	Safe value for DO	1	0=off 1=on (default=0)	R/W/E

(1xxxx) DI address

Begin address	Points	Description	Registers per Point	Range	Access Type
0	0~9	Digital Input	1	0=off 1=on	R
80	0~9	Digital latched status (high)	1	0=no 1=latched	R
160	0~9	Digital latched status (low)	1	0=no 1=latched	R

(3xxxx) AI address

Begin address	Points	Description	Registers per Point	Range	Access Type
32	0~9	Low speed (100Hz) digital counter	1	0~65535	R

(3xxxx) AI address (Static Channel Number Value)

Begin address	Points	Description	Registers per Point	Value	Access Type
300	1	DI (channel number)	1	10	R
301	1	DI high/low latch (channel number)	1	10	R
310	1	DO (channel number)	1	8	R
311	1	Power on value for DO (channel number)	1	8	R
312	1	Safe value for DO (channel number)	1	8	R
321	1	Low speed counter (100Hz) (channel number)	1	10	R

(4xxxx) AO address

Begin address	Points	Description	Registers per Point	Range	Access Type
200	0~9	Preset value for low speed (100Hz) digital counter	1	0~65535(default=0)	R/W/E

ET2-6064 (D)

Detailed Modbus Address Table for ET2-6064 (D)

(0xxxx) DO address					
Begin address	Points	Description	Registers per Point	Range	Access Type
0	0~23	Digital Output	1	0=off 1=on	R/W
431	1	Write DO Power on value to EEPROM	1	1=write	W (Pulse)
432	1	Write DO Safe value to EEPROM	1	1=write	W (Pulse)
435	0~23	Power on value for DO	1	0=off 1=on (default=0)	R/W/E
515	0~23	Safe value for DO	1	0=off 1=on (default=0)	R/W/E

(3xxxx) AI address (Static Channel Number Value)					
Begin address	Points	Description	Registers per Point	Value	Access Type
310	1	DO (channel number)	1	24	R
311	1	Power on value for DO (channel number)	1	24	R
312	1	Safe value for DO (channel number)	1	24	R