

(in hexadecimal by

Class	Division	Variable address	Address attribute	Function	Description		
Event	Key driver	2000	Driver	Key status	D1: 5A-valid key 00-others invalid D0: 01-once;10: long press		
		2001	Driver	Key value	0101:KEY1;0102:KEY2;0103:KEY3;0104:KEY4;0105:K		
	Touch event	2004	Function	Physical key scheduling event		Page [2000:2001]==5A010101	
						Page [2000:2001]==5A100101	
				System settings event	0000: No valid event		
					0100: Enter system settings		
					0101: Password entering confirmation		
					0102: Cancel password entering		
					0103: Factory reset confirmation		
					0104: Cancel factory reset		
					0105: Return on system settings page		
					0106: Return on alarm clock choosing page		
					0107: Return on advanced settings page		
Timer event	0200: Enter timer setting						
	0201: Enter timer 1						
	0202: Enter timer 2						
	0203: Enter timer 3						
	0204: Enter time period 1 setting						
	0205: Enter time period 2 setting						
	0206: Enter time period 3 setting						
	0207: Enter time period 4 setting						
	0208: Time period setting confirmation						
	0209: Cancel time period setting						
	020A: Wind speed and temperature settings confirmation						
	020B: Cancel wind speed and temperature settings						

					020C: Return on timer day of the week selecting page	
					020D: Return on timer selecting page	
				Temperature event	0300: Enter temperature	
					0301: Temperature setting confirmation	
					0302: Cancel temperature setting	
					0303: Set higher	
					0304: Set lower temperature	
				Time event	0400: Enter time setting	
					0401: Time setting	
					0402: Cancel time setting	
				Alarm clock event	0500: Enter alarm clock	
					0501: Enter alarm clock 1 setting	
					0502: Enter alarm clock 2 setting	
					0503: Enter alarm clock 3 setting	
					0504: Cancel alarm clock setting	
				Message event	0601: Message reading confirmation	
				Shutdown event	0701: Shutdown	
				Wind speed event	0800: Automatic	
					0801-0809: Wind speed 1-9	
					0810: Increase wind speed	
					0811: Reduce wind speed	
				Mode event	0901: Button mode operation, cycle adjustment	
Alarm event	2008	Function	Shutdown event trigger	0100: Trigger shutdown event and jump to the		
Error event	200C	Function	Parameter error flag value	1001: Temperature setting		
				1002: RTC time setting error		
				1003: Password of resetting parameters to the default setting error		
				1004: Timer time setting		
				1005: Timer wind speed and temperature settings error		
				1006: Jump to detecting time setting error page		
				1007: Jump to the shutdown confirmation page		

Other		2600	External interface	Startup and shutdown	1: Start up/2: Sleep
		2608	External	Water valve	0: off/1: on
		2609	External	Wind valve	0: off/1: on
	2615	External	Coordination		

external interfaces		261A	External interface	Screensaver type	1: traditional/2: photo album/3: clock	
		261B	External interface	Remote update	0: No remote update/1: Remote update(Not enabled)	
		261C	External interface	Skin change command	0: No skin change command/1: There are skin change commands.	
Time and date	Date and time display	2010	UI	Date display-year	The intermediate variable used for date and time display. In order to display the front 0, year + 2000, and the rest of the front + 100. Display word art.	
		2011	UI	Date display-		
		2012	UI	Date display-day		
		2013	UI	Date display-day of the week		
		2014	UI	Time display-		
		2015	UI	Time display-minute		
	Date and time setting	2016	UI	Time display-second		
		2018	UI	Date setting-year	Year, month, day, hour and minute setting.	
		2019	UI	Date setting-		
		201A	UI	Date setting-day		
		201B	UI	Time setting-hour		
201C	UI	Time setting-				
		2605	External	Timer 1 switch	0: off/1: on	
		2606	External	Timer 2 switch	0: off/1: on	
		2607	External	Timer 3 switch	0: off/1: on	
		2620	External interface	Timer 1 day of the week setting	bit0-6: Respectively represent Monday to	
		2621-2622	External interface	Timer 1 time period 1 start and end time	Initialize as 8:30-12:00	
		2623	External interface	Timer 1 time period 1 wind	Initialize: 3/1-4: Corresponding wind speed,	
		2624	External interface	Timer 1 time period 1	Initialize: 25	
		2625-2626	External interface	Timer 1 time period 2 start and end time	Initialize as 12:00-13:00	
		2627	External interface	Timer 1 time period 2 wind	Initialize: 1/1-4: Corresponding wind speed,	
		2628	External interface	Timer 1 time period 2	Initialize: 25	
		2629-262A	External interface	Timer 1 time period 3 start and end time	Initialize as 13:00-18:00	
		262B	External interface	Timer 1 time period 3 wind	Initialize: 1/1-4: Corresponding wind speed,	
		262C	External interface	Timer 1 time period 3	Initialize: 25	
		262D-262E	External interface	Timer 1 time period 4 start and end time	Initialize as 18:00-8:30	
		262F	External interface	Timer 1 time period 4 wind	Initialize: 1/1-4: Corresponding wind speed,	
		2630	External interface	Timer 1 time period 4	Initialize: 25	
		2631	External	Reserve		
		2632	External interface	Timer 2 day of the week setting	bit0-6: Respectively represent Monday to	

Timer

	2333-2634	External interface	Timer 2 time period 1 start and end time	Initialize as 8:30-12:00	
	26235	External interface	Timer 2 time period 1 wind	Initialize: 3/1-4: Corresponding wind speed,	
	262436	External interface	Timer 2 time period 1	Initialize: 25	
	2637-2638	External interface	Timer 2 time period 2 start and end time	Initialize as 12:00-13:00	
	2639	External interface	Timer 2 time period 2 wind	Initialize: 1/1-4: Corresponding wind speed,	
	263A	External interface	Timer 2 time period 2	Initialize: 25	
	263B-263C	External interface	Timer 2 time period 3 start and end time	Initialize as 13:00-18:00	
	263D	External interface	Timer 2 time period 3 wind	Initialize: 1/1-4: Corresponding wind speed,	
	263E	External interface	Timer 2 time period 3	Initialize: 25	
	263F-2640	External interface	Timer 2 time period 4 start and end time	Initialize as 18:00-8:30	
	2641	External interface	Timer 2 time period 4 wind	Initialize: 1/1-4: Corresponding wind speed,	
	2642	External interface	Timer 2 time period 4	Initialize: 25	
	2643	External	Reserve		
	2644	External interface	Timer 3 day of the week setting	bit0-6: Respectively represent Monday to	
	2645-2646	External interface	Timer 3 time period 1 start and end time	Initialize as 8:30-12:00	
	2647	External interface	Timer 3 time period 1 wind	Initialize: 3/1-4: Corresponding wind speed,	
	2648	External interface	Timer 3 time period 1	Initialize: 25	
	2649-264A	External interface	Timer 3 time period 2 start and end time	Initialize as 12:00-13:00	
	264B	External interface	Timer 3 time period 2 wind	Initialize: 1/1-4: Corresponding wind speed,	
	264C	External interface	Timer 3 time period 2	Initialize: 25	
	264D-264E	External interface	Timer 3 time period 3 start and end time	Initialize as 13:00-18:00	
	264F	External interface	Timer 3 time period 3 wind	Initialize: 1/1-4: Corresponding wind speed,	
	2650	External interface	Timer 3 time period 3	Initialize: 25	
	2651-2652	External interface	Timer 3 time period 4 start and end time	Initialize as 18:00-8:30	
	2653	External interface	Timer 3 time period 4 wind	Initialize: 1/1-4: Corresponding wind speed,	
	2654	External interface	Timer 3 time period 4	Initialize: 25	
	2655	External	Reserve		
Timer day of	2020-2026	UI	Timer 1 day of the week display	Continuous address, convenient for one-time	

Timer day of the week display	2027-202D	UI	Timer 2 day of the week display	convenient for one-time reading. 2020-2026 corresponds to Monday to Sunday.		
	202E-2034	UI	Timer 3 day of the week display			
Timer day of the week setting	2040-2046	UI	Timer day of the week display	Continuous address, convenient for one-time reading. In turn, enable Monday to Sunday to be set.		
Timer time period display	2048-2049	UI	Time period 1 display start and end time	Just display time. In order to display an invalid 0, hour and minute need to be plus 100.		
	204A-204B	UI	Time period 2 display start and end time			
	204C-304D	UI	Time period 3 display start and end time			
	204E-204F	UI	Time period 4 display start and end time			
Timer time mode setting and display	2050	UI	Timer time setting time period start-hour	Invalid 0 in front can be displayed. The data occupies 3 bytes, and the bytes are aligned.		
	2052	UI	Timer time setting time period start-		Modify	
	2054	UI	Timer time display time period end-hour	Only for display. Need to plus 100 to display invalid 0 in the front. The interval is only for alignment.		
	2056	UI	Timer time display time period end-			
	2058	UI	Timer temperature	16-32℃		
	2059	UI	Timer wind speed mode	1-4: corresponding wind speed/5: sleep		
Status	2060	UI	Timer status	0: No timer is on. 1: There is a timer on.		
Alarm clock	Alarm clock setting	2603	External interface	Alarm clock 1 switch	0: No alarm clock 1: With alarm clock	
		2604	External interface	Alarm clock 2 switch	0: No alarm clock. 2: With alarm clock	
		2616	External interface	Alarm clock 1 hour and minute	Upper bits: 0-23/Lower bits: 0-59	
		2617	External interface	Alarm clock 2 hour and minute		
		2618	External interface	Alarm clock 1 ringtone	1: ringtone1/2: ringtone 2/3: ringtone3	
		2619	External interface	Alarm clock 2 ringtone		
	Alarm clock display	2068-2069	UI	Alarm clock 1 setting display-hour and minute	Hour and minutes need to be plus 100 to display an invalid 0.	
		206A-206B	UI	Alarm clock 2 setting display-hour and minute		
		2072-2073	UI	Alarm clock time setting	Alarm clock hour and minute setting. Upper bits: hour; Lower bits: minute.	
		2074	UI	Ringtone setting	1-3: ringtone1-3	
		2075	UI	Alarm clock status	0: No alarm clock; 1: With alarm clock	

Reset parameters to default	2078	UI	Password entering status	
	207A-207D	UI	Password	4 bytes, 666666 by default
	26E8	External	Saved password	Password saved to flash
Brightness and standby control	2612	External	Screen	10-100
	261D	External interface	Screen saver time	1: 1 minute/2: 5 minutes/3: never enter the screen saver
	2080	UI	Backlight standby switch	0: No backlight standby. Always on/1: With backlight
	2081	UI	Backlight standby entering time	Unit: s
	2082	UI	Standby	10-100

Temperature	2611	External interface	Temperature setting-interface	Set the temperature. 1 fixed decimal place.
	2100	UI	Temperature setting-homepage	Set the integer part of the temperature.
	2101	UI	Temperature setting-homepage	Set the fractional part of the temperature.
	2102	UI	Temperature setting-setting page display1	Set the integer part of the temperature.
	2103	UI	Temperature setting-setting page display2	Set the fractional part of the temperature.
	2610	External interface	Current temperature-interface	Current temperature. 1 fixed decimal place.
	2108	UI	Current temperature-display1	The integer part of the current temperature.
	2109	UI	Current temperature-display2	The fractional part of the current temperature.
	2110	UI	Temperature of temperature sensor 1	Temperature value measured by NTC1
	2111	UI	Temperature of temperature sensor 2	Temperature value measured by NTC2
	2550	Parameter	Current temperature-coefficient1	
	2551	Parameter	Current temperature-coefficient2	
	Human body approaching status	2120	UI	Human body approaching
2121		Function	Human body approaching	0: No human body approaching; 1: human body
2122		Function	Light variable flag bit	Light variable threshold setting flag bit.
2123		Function	Light variable upper threshold	Light variable upper threshold.
2124		Function	Light variable lower threshold	Light variable lower threshold.
WIFI message	2614	External interface	Message status	0: No message/1: There is a message.
	2661-26B1	External	Message data	(80 bytes in length)

Photo album animated		2700	Function	Address of photo album animated icon	1: start	
		2300	Driver	Modbus enabling flag bit	<p>0x5AA5: enable Modbus_Master communication</p> <p>0x5AAA: enable Modbus_Slave communication</p> <p>0x5AAB: enable 82H, 83H read and write commands (used by 86-type switch box starting with DT5001, products not beginning with DT5001 and products manufactured after October 2018. 82 and 83 commands</p>	
		2301H-230F	Driver	Drive internal use	<p>Among them:</p> <p>EA01H: modbus_slave_ID_addr. Set local address when working on modbus_slave mode. Reserve upper bits. Lower bits are the address of the slave. The default address is 01 after power-on.</p> <p>EA04H is register configured for 82H, 83H read and write commands. Upper bits D1 is the upper bits of address automatically uploaded. For example, if the automatically uploaded address is 2000H-20FFH area, D1=20H; Lower bits D0, bit7:area initialize, must be set to 1, bit0: CRC-16 check enables, 0 disable, 1 CRC check enable</p>	
Modbus interface driver					<p>MODBUS command 00 byte</p> <p>0x5A=enable this command others=disable this command</p> <p>01 Modbus device address read and written.</p> <p>02 Modbus command used to read and write, only 03H and 10H supported.</p> <p>03 Length of read and write data; unit: word.</p>	

		2310	Driver	Driver structure	<p>04:05</p> <p>This command processes timing time, including the command transmission time, the unit is ms. For reading commands, the timing time is the longest time for the slave to respond.</p> <p>06:07</p> <p>4 bytes specify the sending mode of Modbus read and write commands.</p> <p>0x0000:****Execute the command on all pages.0x0001age_ID execute the command on the specified page.</p> <p>0x0002:VP executes the command only when the lower bytes content of the variable buffer pointed by VP is 0x5A. Clear the content pointed by VP after all corresponding commands are executed.</p> <p>08:09</p> <p>parameters of 06:07</p>	
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TC035C21W0

	External temperature sensor parameters	2400-247F	Parameter	External temperature sensor	<p>2400: NTC resistance reference resistance Unit: 100Ω</p> <p>2401: NTC resistance B value</p>	wenkongV2.0
			Parameter		<p>2410: Resistance corresponding to -40 degrees Unit: 100Ω</p> <p>2438: Resistance corresponding to 0 degree Unit: 100Ω</p> <p>244C: Resistance corresponding to 20 degrees Unit: 100Ω</p> <p>2474: Resistance corresponding to 60 degrees Unit: 100Ω</p> <p>248D: Resistance corresponding to 85 degrees Unit: 100Ω</p>	wenkongpcbV1.1
		2500-250F	Parameter	Product model	<p>2500H: Numerical product model</p> <p>2502H: Save in text type ASCII and end with FFFF.</p>	0
		2510-251F	Parameter	Software version number	<p>2510H: Numerical version number</p> <p>2512H: Save in text type ASCII and end with FFFF.</p>	0
		2520-252F	Parameter	Hardware version number (reserved)	<p>2520H: Numerical version number</p> <p>Refer to table Hardware version for details.</p> <p>2522H: Save in text type</p>	1

Parameters in file 22

System parameters	2530	Parameter	Choose hardware	0. Reserve 1. 3.5 inches 48320 2. 4 inches 48480 3. 4.1 inches 72720	0
	2531	Parameter	Choose function type	0. Reserve 1. Thermostat 2. Fresh air purifier 3. Underfloor heating	0
	2532	Parameter	Choose output type	0. Reserve 1. No electric relay, only a single 485 2. 4 electric relays 3. Single electric relay + external AD 4. 3 electric relays 2PWM 5. 5 electric relays	323212
	2533	Parameter	Human body approaching the sensor	0. No 1. Yes	
	2534	Parameter	Infrared remote control	0. No 1. Yes	
	2538-2539	Parameter	Initialize	6-digit number	
	2540-254F	Parameter	DC fan PWM setting	2540: gear 0, stop 2541-254F Duty cycle corresponding to 15 wind speed gears	
Thermostat parameters	2550-2553	Parameter	Temperature measurement coefficient	Calculate the coefficient of the real temperature based on 2 temperature values. Three coefficient: A, B, C. Enter after multiplying by 10.	
	2554	Parameter	Temperature display accuracy	0. 0.5℃ 1. 1℃	
	2555	Parameter	Temperature setting upper	Integer (Actual temperature upper limit*10)	
	2556	Parameter	Temperature setting lower limit	Integer (Actual temperature lower limit*10)	
Page parameters	2580	Parameter	Temperature setting error page		
	2581	Parameter	RTC time setting error page		
	2582	Parameter	Password of resetting parameters to default setting error page		51
	2583	Parameter	Timer setting error page		16
	2584	Parameter	Timer temperature and wind speed		18
	2585	Parameter	Time of detecting setting error page		
	2586	Parameter	Shutdown confirmation		57
	2587-258D	Parameter	Reserve page parameters		
	258E	Parameter	Screensaver 1 page	Traditional	2
	258F	Parameter	Screensaver 2 page	Photo album	60

Operating parameters	2590	Parameter	Screensaver 3 page	Clock	3	
	2590-25DF	Parameter	Reserve page			
	25E0	Parameter	Operating parameter	25E0: Parameters initialization flag bit. 0: Value that indicates the use of file 22. 5AA5: Indicates that the parameters need to be read out from the save area for restoration.		
		Parameter				
		Parameter				
		Parameter				
		Parameter				
		Parameter				
		Parameter				

NOR FLASH

Address	Function	Description
25E0	Magic Number	Magic number

System variable interface address

Address	Length in word	Function	Description
0008	4	Read and write NOR FLASH	
000F	1	Software Version Number	To write the software version number. Read out the GUI version number first, then write the OS version
0010	4	RTC	Write real-time time into RTC, which is convenient for making screen saver clock
0016	4	TP_Status	to detect whether there is a touch
0031	1	LED_Now	Detect current brightness
0032	8	AD0-AD7 instantaneous	get instantaneous value of AD0~AD7
0082	2	LED_Config	Adjust brightness
0084	2	PIC_Set	Modify display page

WIFI interface variable

Address	Function	Description
0416	Device model	set in file 22.bin
0498	One-click network	Write 0x5A00
04A1	Network configuration status	00 Unconfigured/01 start network configuration/02 network configuring/03 Network configuration succeeded/0F Network

WIFI interface variable address	04A2	Network status	00 Did not get username and password/01: WIFI router connected successfully/02: The WIFI module is self-upgrading./03:Connecting to server/04: Logged into the	
	0482-0484	MAC address	12 bytes in hexadecimal	
	0487	WIFI version	ASCII code string display	
	04B0	Network name	Text input	
	04C0	Network	Text input	
	0498	Start connecting and network configuring	Write 0x005A	
	04AC	Network RTC	D7: 5A, valid time; D6-D0: year month day day of the week (0-6) hour minute	
	0450	QR code	Scan the code to	