PIS screen serial port control protocol

V1.2

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Change Description

Version	date	change content
V1.1	2020.4.28	1. Add some example descriptions 2. Add timing switch command 3. Signal switching adds DP, SDI, HDMI2, HDMI3 4. Add command to set system time
V1.2	2020.6.02	Increase the timing to open the high and low peak volume part of the protocol

1. Serial port configuration

Baud rate:9600bps Data bits:8
Parity: none stop bit:1
data:HexFormat

2. Command format

MsgSize	Control	Group	Data[0]	Data[1]	…	Data[N]	Checksum

specific description:

field	byte	byte name	illustrate

MsgSize	Byte 1:	length in bytes	MsgSize + Control + Data[0]+...+ Data[N]+ Checksum scope:0x3 - 0x28(3arrive40)
Control	Byte 2:	Control	monitorID:1-255,0for global control
Group	Byte 3:	Group	control groupIDscope:0-254 Monitor ID Group ID 0-255 0-254 scope 0 0 broadcast 1-255 0 Monitor IDcontrol system system 0-255 1-254 Group IDcontrol
Data	Byte 4 to Byte 39:	Data[0]-Data[N]	This byte can be empty; If not empty range:0-0x24(0arrive36)
Checksum	Last Byte:	check sum	range=0-0xFF(0 to 255) XOR operation of all fields except the checksum bit minus one after calculation; Checksum = [MSG-SIZE] XOR [CONTROL] XOR [GROUP] XOR DATA[0] ... XOR DATA[N] – 0x01

3. Detailed command

1.switch machine

Switch status query:

Bytes	describe	Bits	illustrate
DATA[0]	0x19 =Inquire about power state		Query monitor power status

The switch state returns:

Bytes	describe	Bits	illustrate
DATA[0]	0x19 =back to power state		Feedback Monitor Power Status
DATA[1]	power state		0x01 =closure 0x02 =turn on

Switch state settings:

Bytes	describe	Bits	illustrate
DATA[0]	0x18 =power state		Set Monitor Power State

	set up		
DATA[1]	power state		0x01 =closure 0x02 =turn on

Switch setting status feedback:

Bytes	describe	Bits	illustrate
DATA[0]	0x17 =power state set up		Feedback switch command execution status
DATA[1]	power state		0x01 =success 0x02 =fail

Example:
Set all monitors power state to off

MsgSize	Control	Group	Data[0]	Data[1]	Checksum
06	00	00	18	01	1E

0101Monitor feedback successful execution

MsgSize	Control	Group	Data[0]	Data[1]	Checksum
06	01	01	17	01	0F

2.signal switching

Signal query:

Bytes	describe	Bits	illustrate
DATA[0]	0xAD =Signal query		Query signal type

Signal returns:

Bytes	describe	Bits	illustrate
DATA[0]	0xAD =Source information return		Feedback the current input source signal type
DATA[1]	Signal source type		0x01 = DVI 0x02 = HDMI 0x03 = VGA 0x04 = USB 0x05 = OPS 0x06 = HDMI2 0x07 = DP 0x08 = SDI 0x09 = HDMI3
DATA[2]	reserved		0x01 = DVI

			0x02 = HDMI 0x03 = VGA 0x04 = USB 0x05 = OPS 0x06 = HDMI2 0x07 = DP 0x08 = SDI 0x09 = HDMI3
DATA[3]	OSDtype	Bit7	reserved, meaningless
		Bit6	reserved, meaningless
		Bit2.0	Monitor input source information 0 =meaningless;1 =Display source information

Signal Settings:

Bytes	describe	Bits	illustrate
DATA[0]	0xAC =set signal source		Set the current input source signal
DATA[1]	Signal source type		0x01 = DVI 0x02 = HDMI 0x03 = VGA 0x04 = USB 0x05 = OPS 0x06 = HDMI2 0x07 = DP 0x08 = SDI 0x09 = HDMI3
DATA[2]	reserved		0x01 = DVI 0x02 = HDMI 0x03 = VGA 0x04 = USB 0x05 = OPS 0x06 = HDMI2 0x07 = DP 0x08 = SDI 0x09 = HDMI3
DATA[3]	OSDtype	Bit7	reserved
		Bit6	No switching, display the current signal source type; switch then display the switched signal source type 1 =do not switch;0 =toggle
		Bit2.0	Monitor input source information 0 =meaningless;1 =Display source information
DATA[4]	reserved		

Example: Set all monitor display channels to HDMI

MsgSize	Control	Group	Data[0]	Data[1]	Data[2]	Data[3]	Data[3]	Checksum
09	00	00	AC	02	02	01	00	A3

3.volume

3.1High and low peak volume settings

Query information about high and low peak modes:

Bytes	describe	Bits	illustrate
DATA[0]	0x43 =Query high and low peaks		Querying High and Low Peak Mode Information
DATA[1]	Query standard/peak/low information Peak information		0x00 =standard;0x01 =peak; 0x02 =low peak

Returns high and low peak mode information:

Bytes	describe	Bits	illustrate
DATA[0]	0x43 =High and low peak mode		Feedback high and low peak mode information
DATA[1]	Standard/peak/low peak		0x00 =standard;0x01 =peak; 0x02 =low peak
DATA[2]	volume		The range is0-100
DATA[3]	Effective period		0x00 =closure; 0x01 =Monday ~ Friday; 0x02 =Monday ~ Saturday 0x03=Saturday ~ Sunday 0x04=every day;
DATA[4]	start time-hour		The range is0-23
DATA[5]	start time-min		The range is0-59
DATA[6]	end time - seconds		The range is0-59

To set high and low peak times:

Bytes	describe	Bits	illustrate
DATA[0]	0x42=sound mode		Set high and low peak mode
DATA[1]	Standard/peak/low peak		0x00 =standard;0x01 =peak; 0x02 =low peak
DATA[2]	volume		The range is0-100
DATA[3]	Effective period		0x00 =closure; 0x01 =Monday ~ Friday; 0x02 =Monday ~ Saturday; 0x03=Saturday ~ Sunday; 0x04=every day;
DATA[4]	start time-hour		The range is0-23
DATA[5]	start time-min		The range is0-59

DATA[6]	end time - seconds		The range is0-59

illustrate:

1, When there is a conflict between the set time periods between high and low peaks, the settings will not take effect, and the following values will be returned:

MsgSize	**Control**	**Group**	**42**	**00/01/02**	**00**	**Checksum**

2, the screen high and low peak time defaults to00:00-00:00, indicating that the high-low peak mode is turned off;

Set the effective period of high and low peak mode:

Bytes	describe	Bits	illustrate
DATA[0]	0x50 =Set high and low peaks		Set High and Low Peak Mode Period
DATA[1]	Effective period Query standard/peak/low Peak information		0x00 =closure; 0x01 =Monday ~ Friday; 0x02 =Monday ~ Saturday; 0x03=Saturday ~ Sunday; 0x04=every day;

3.2Volume adjustment

Adjust the user volume as follows:

Bytes	describe	Bits	illustrate
DATA[0]	0x45 =volume query		Query the current volume of the monitor

Volume returns:

Bytes	describe	Bits	illustrate
DATA[0]	0x45 =volume back		Feedback monitor current volume
DATA[1]	speaker volume		0-100(%) value

Volume settings:

Bytes	describe	Bits	illustrate
DATA[0]	0x44 =volume setting		Set the monitor current volume
DATA[1]	speaker volume		adjust0-100(%) value

Volume adjustment - up or down

Bytes	describe	Bits	illustrate
DATA[0]	0x41 =adjust volume plus reduce		Adjust monitor volume up or down
DATA[1]	speaker volume		0:decline;1:rise;2:constant

Example: Set all monitor volume to80

MsgSize	Control	Group	Data[0]	Data[1]	Checksum
06	00	00	44	50	11

3.3silent mode

Quiet mode query

Bytes	describe	Bits	illustrate
DATA[0]	0x46 =Query silent mode		Query silent mode

Silent mode returns:

Bytes	describe	Bits	illustrate
DATA[0]	0x46 =returnsilent mode Mode		Feedback silent mode
DATA[1]			0x01 =Mute on:0x00: mute off

Silent Mode Settings:

Bytes	describe	Bits	illustrate
DATA[0]	0x47 =Set silent mode		Set silent mode
DATA[1]			0x01 =Mute on:0x00: mute off

3.4Sound Mode Settings

Sound mode query

Bytes	describe	Bits	illustrate
DATA[0]	0x48 =query sound mode		Query silent mode

Sound mode returns:

Bytes	describe	Bits	illustrate
DATA[0]	0x49 =Return to sound mode		Feedback sound mode
DATA[1]			0x01 =standard;0x02 =music; 0x03 =Movie;0x04 =sports; 0x05 =user;

Sound Mode Settings:

Bytes	describe	Bits	illustrate
DATA[0]	0x49 =set sound mode		set sound mode
DATA[1]			0x01 =standard;0x02 =music; 0x03 =Movie;0x04 =sports; 0x05 =user;

4.Operating temperature

Working temperature query:

Bytes	describe	Bits	illustrate
DATA[0]	0x2F =Query working temperature		Query the current temperature of the sensor

Operating temperature returns:

Bytes	describe	Bits	illustrate
DATA[0]	0x2F=Return to working		Feedback sensor temperature
DATA[1]	Temperature Sensor 1		scope:0-100°C
DATA[2]	Temperature Sensor2		scope:0-100°C

5.Backlight

Query backlight:

Bytes	describe	Bits	illustrate
DATA[0]	0x25 =Query the backlight value		Query monitor backlight value

Back to Backlight:

Bytes	describe	Bits	illustrate
DATA[0]	0x25 =Returns the backlight value		Feedback monitor backlight value
DATA[1]			adjust0-100(%) value

set backlight

Bytes	describe	Bits	illustrate
DATA[0]	0x24 =Adjust the backlight value		Adjust the monitor backlight value
DATA[1]	Addition and subtraction		0:decline;1:rise;2:constant

6.Noise reduction

Query noise reduction level:

Bytes	describe	Bits	illustrate
DATA[0]	0x2B =Query noise reduction level		Query monitor noise reduction level

do not

Return the noise reduction level:

Bytes	describe	Bits	illustrate
DATA[0]	0x2B =Return to noise reduction level		Feedback monitor noise reduction level

DATA[1]	Off/Low/Medium/High		0x00 =close;0x01 =Low;0x02 =middle 0x03 =high

To set the noise reduction level:

Bytes	describe	Bits	illustrate
DATA[0]	0x2A =Set the noise reduction level		Adjusting the monitor noise reduction level
DATA[1]	Off/Low/Medium/High		0x00 =close;0x01 =Low;0x02 =middle 0x03 =high

7.bootLogomodel

Query bootLogo:

Bytes	describe	Bits	illustrate
DATA[0]	0x3F =Query bootLogo model		Query monitor power onLogomodel

back to bootLogo:

Bytes	describe	Bits	illustrate
DATA[0]	0x3F =back to boot Logomodel		Feedback Monitor onLogomodel
DATA[1]	off/on/user		0x00 =close;0x01 =open; 0x02 =user

set bootLogo:

Bytes	describe	Bits	illustrate
DATA[0]	0x3E =set on machineLogomodel		Set the monitor to power onLogomodel
DATA[1]	off/on/user		0x00 =close;0x01 =open; 0x02 =user

8.remote lock

Query remote lock status:

Bytes	describe	Bits	illustrate
DATA[0]	0x1D =Query remote lock state		Query monitor remote lock status, unlocked/Lock all / lock all but sound / remove power All locks outside source/all except sound & power Certainly

Return to remote lock level:

Bytes	describe	Bits	illustrate

DATA[0]	0x1D =Back to Remote Lock state		Feedback monitor remote lock status, unlocked/ Lock all / lock all but sound / remove power All locks outside source/all except sound & power
DATA[1]	Remote Lock Status Byte		0x01 =not locked; 0x02 =lock all; 0x03 =All locked except power 0x04 =All locked except sound 0x07 =Locked except for sound & power

To set up a remote lock:

Bytes	describe	Bits	illustrate
DATA[0]	0x1C =Set up remote lock		Set monitor remote lock, unlock/lock All / except sound locked / except power All Locked / All Locked Except Sound & Power
DATA[1]	Remote Lock Status Byte		0x01 =not locked; 0x02 =lock all; 0x03 =All locked except power 0x04 =All locked except sound 0x07 =Locked except for sound & power

9.Light sensitivity settings

Query light sensor information:

Bytes	describe	Bits	illustrate
DATA[0]	0x25 =Query Light Sensitivity interest		Query Light Sensing Information Mode

Return to light sensing mode:

Bytes	describe	Bits	illustrate
DATA[0]	0x25 =light sensor mode letter interest		Feedback Monitor Light Sensing Mode
DATA[1]	off/on		0x00 =close;0x01 =open; 0xFF =Invalid in current mode

To set the light sensitivity mode:

Bytes	describe	Bits	illustrate
DATA[0]	0x24 = set light sense mode		Set Monitor Light Sensing Mode
DATA[1]	off/on		0x00 =close;0x01 =open; 0x02 =user

10.Display parameter settings

Query display parameter information:

Bytes	describe	Bits	illustrate
DATA[0]	0x33 =query display parameters		Query display parameter information

number information

Return to display parameter information:

Bytes	describe	Bits	illustrate
DATA[0]	0x33 =Display parameter		Feedback display parameter information
DATA[1]	image mode		0x00 =standard;0x01 =dynamic; 0x02 =soft;0x03 =user; 0x04 =eye protection
DATA[2]	color temperature		0x00 =standard;0x01 =warm color; 0x02 =cool color;
DATA[3]	brightness		In user mode only, the optional ranges are:0-100
DATA[4]	Contrast		In user mode only, the optional ranges are:0-100
DATA[5]	saturation		In user mode only, the optional ranges are:0-100
DATA[6]	sharpness		In user mode only, the optional ranges are:0-100
DATA[7]	Backlight		The optional ranges are:0-100

Set display parameters:

Bytes	describe	Bits	illustrate
DATA[0]	0x32 =set parameter interest		Set display parameter information
DATA[1]	image mode		0x00 =standard;0x01 =dynamic; 0x02 =soft;0x03 =user; 0x04 =eye protection
DATA[2]	color temperature		0x00 =standard;0x01 =warm color; 0x02 =cool color;
DATA[3]	brightness		In user mode only, the optional ranges are:0-100
DATA[4]	Contrast		In user mode only, the optional ranges are:0-100
DATA[5]	saturation		In user mode only, the optional ranges are:0-100
DATA[6]	sharpness		In user mode only, the optional ranges are:0-100

DATA[7]	Backlight		The optional ranges are:0-100

11.VGAImage parameter settings

Query image scale information:

Bytes	describe	Bits	illustrate
DATA[0]	0x39 =InquireVGApicture like parameters		InquireVGADisplay parameter information

Return image scale information:

Bytes	describe	Bits	illustrate
DATA[0]	0x39=VGAimage parameter number		feedbackVGADisplay parameter information
DATA[1]	clock		The adjustable range is:0-100;
DATA[2]	phase		The adjustable range is:0-100;
DATA[3]	horizontal position		The adjustable range is:0-100;
DATA[4]	vertical position		The adjustable range is:0-100;

Set display parameters:

Bytes	describe	Bits	illustrate
DATA[0]	0x38 =set upVGApicture like parameters		set upVGADisplay parameter information
DATA[1]	clock		The adjustable range is:0-100;
DATA[2]	phase		The adjustable range is:0-100;
DATA[3]	horizontal position		The adjustable range is:0-100;
DATA[4]	vertical position		The adjustable range is:0-100;

12.Image ratio settings

Query image scale information:

Bytes	describe	Bits	illustrate
DATA[0]	0x3B =query image ratio example information		Query display parameter information

Return image scale information:

Bytes	describe	Bits	illustrate
DATA[0]	0x3B =image scale letter interest		Feedback image scale information
DATA[1]	image mode		0x00 =full screen;

			0x01 =panoramic; 0x02 =peer to peer; 0x03 =automatic; 0x04 = 4:3; 0x05 = 16:9; 0x06 =enlarge1; 0x07 =enlarge2;

Set display parameters:

Bytes	describe	Bits	illustrate
DATA[0]	0x32 = Display parameters number information		Feedback display parameter information
DATA[1]	image mode		0x00 =full screen; 0x01 =panoramic; 0x02 =peer to peer; 0x03 =automatic; 0x04 = 4:3; 0x05 = 16:9; 0x06 =enlarge1; 0x07 =enlarge2;

13.reset

Setting reset:

Bytes	describe	Bits	illustrate
DATA[0]	0x56 =reset		parameter reset

14.Fault information query

Query fault information:

Bytes	describe	Bits	illustrate
DATA[0]	0XA2 =Query the fault letter interest		Query fault information

Return fault information:

Bytes	describe	Bits	illustrate
DATA[0]	0XA2 =return fault message interest		feedback fault information
DATA[1]	accident details		0x00 =Temperature is too high; 0x01 =no signal; 0x02 =No signal and high temperature; 0x03 =No abnormality

15.Set energy saving mode

Query the status of the energy saving mode:

Bytes	describe	Bits	illustrate
DATA[0]	0X1B =Query energy saving mode state		Querying the status of the energy saving mode

To return to the power saving mode state:

Bytes	describe	Bits	illustrate
DATA[0]	0X1B =Back to energy saving mode state		Feedback energy saving mode status
DATA[1]	Power Save Mode Status		0x00 =open; 0x01 =closure;

To set the power saving mode:

Bytes	describe	Bits	illustrate
DATA[0]	0X1A =Set energy saving mode		Set Energy Saver Mode Status
DATA[1]	energy saving mode		0x00 =open; 0x01 =closure;

16.language settings

Query language status:

Bytes	describe	Bits	illustrate
DATA[0]	0X27 =query language state		query language status

Return language status:

Bytes	describe	Bits	illustrate
DATA[0]	0X27 =back to language state		feedback language status
DATA[1]	language status		0x00 =Chinese; 0x01 =English;

Set language mode:

Bytes	describe	Bits	illustrate
DATA[0]	0X26 =set language mode Mode		set language mode
DATA[1]	language mode		0x00 =Chinese; 0x01 =English;

17.High temperature protection settings

Query the high temperature protection status:

Bytes	describe	Bits	illustrate
DATA[0]	0XD1=high temperature protection state		Query high temperature protection status

Return language status:

Bytes	describe	Bits	illustrate
DATA[0]	0XD1 =Back to high temperature protection protection status		Feedback high temperature protection status
DATA[1]	High temperature protection switch status		0x00 =open; 0x01 =close;
DATA[2]	High temperature protection threshold		0-100(%) value

Set language mode:

Bytes	describe	Bits	illustrate
DATA[0]	0XD0 =Set high temperature protection protection status		Set high temperature protection status
DATA[1]	High temperature protection switch status		0x00 =open; 0x01 =close;
	High temperature protection threshold		0-100(%) value

18.Image protection settings

Query image protection status:

Bytes	describe	Bits	illustrate
DATA[0]	0X29=Query image preservation protection status		Query image protection status

Return to image protection status:

Bytes	describe	Bits	illustrate
DATA[0]	0X29 =back to image saver protection status		Feedback image protection status
DATA[1]	Image protection status		0x00 =close; 0x01 =image protection1; 0x02 =image protection2; 0x03 =image protection3;

To set image protection mode:

Bytes	describe	Bits	illustrate
DATA[0]	0X28 =set image saver protection status		Set image protection status
DATA[1]	Image protection status		0x00 =close;

			0x01 =image protection1; 0x02 =image protection2; 0x03 =image protection3;0x01 =close;

19.Image Test Setup

Query image test status:

Bytes	describe	Bits	illustrate
DATA[0]	0X31=Query Image Measurement test state		Query image test status

Return to image protection status:

Bytes	describe	Bits	illustrate
DATA[0]	0X31 =Back to Image Measurement test state		Feedback image test status
DATA[1]	Image test status		0x00 =close;0x01 =red; 0x02 =green;0x03 =blue; 0x04 =White;0x05 =black;

To set image protection mode:

Bytes	describe	Bits	illustrate
DATA[0]	0X30 =Set up image measurement test state		Set image test status
DATA[1]	Image test status		0x00 =close;0x01 =red; 0x02 =green;0x03 =blue; 0x04 =White;0x05 =black;

20.On-off timing mode settings

To set the timing mode:

Bytes	describe	Bits	illustrate
DATA[0]	0X90 =set timer off machine time		Set the timer off timer mode
DATA[1]	timer group		0x01 =timer one; 0x02 =timer two; 0x03 =timer three; 0x04 =timer four; 0x05 =timer five;
DATA[1]	Effective period		0x00 =close; 0x01 =Monday; 0x02 =Tuesday; 0x03 =Wednesday; 0x04 =Thursday;

			0x05 =Friday; 0x06 =Monday to Friday; 0x07 =Monday to Saturday; 0x08 =every day;

Example: Set all screen timer group one, timing mode is "off"

MsgSize	Control	Group	Data[0]	Data[1]	Data[2]	Checksum
07	00	00	90	01	00	95

twenty one.Timer shutdown time setting

Query the scheduled shutdown time:

Bytes	describe	Bits	illustrate
DATA[0]	0X91=Query time off machine time		Query the scheduled shutdown time
DATA[1]	timer group		0x01 =timer one; 0x02 =timer two; 0x03 =timer three; 0x04 =timer four; 0x05 =timer five;

Return to the scheduled shutdown time:

Bytes	describe	Bits	illustrate
DATA[0]	0X91 =Back to timer off machine time		Feedback timer shutdown time
DATA[1]	timer group		0x01 =timer one; 0x02 =timer two; 0x03 =timer three; 0x04 =timer four; 0x05 =timer five;
DATA[2]	Effective period		0x00 =close; 0x01 =Monday; 0x02 =Tuesday; 0x03 =Wednesday; 0x04 =Thursday; 0x05 =Friday; 0x06 =Monday to Friday; 0x07 =Monday to Saturday; 0x08 =every day;
DATA[3]	Time		The range is0-23

DATA[4]	Minute		The range is0-59
DATA[5]	second		The range is0-59

To set the scheduled shutdown time:

Bytes	describe	Bits	illustrate
DATA[0]	0X92 =set timer off machine time		Set timer shutdown time
DATA[1]	timer group		0x01 =timer one; 0x02 =timer two; 0x03 =timer three; 0x04 =timer four; 0x05 =timer five;
DATA[2]	Time		The range is0-23
DATA[3]	Minute		The range is0-59
DATA[4]	second		The range is0-59

Example: Set timer one for all screens, and the timer shutdown time is:23:00:00

MsgSize	Control	Group	Data[0]	Data[1]	Data[2]	Data[3]	Data[4]	Checksum
09	00	00	92	01	17	00	00	8C

twenty two.Timing start time setting

Query the scheduled start time:

Bytes	describe	Bits	illustrate
DATA[0]	0X93=Query timed open machine time		Query the scheduled start time
DATA[1]	timer group		0x01 =timer one; 0x02 =timer two; 0x03 =timer three; 0x04 =timer four; 0x05 =timer five;

Return to the scheduled boot time:

Bytes	describe	Bits	illustrate
DATA[0]	0X93 =Back to timing on machine time		Feedback timing boot time
DATA[1]	timer group		0x01 =timer one; 0x02 =timer two; 0x03 =timer three; 0x04 =timer four;

			0x05 =timer five;
DATA[2]	Effective period		0x00 =close; 0x01 =Monday; 0x02 =Tuesday; 0x03 =Wednesday; 0x04 =Thursday; 0x05 =Friday; 0x06 =Monday to Friday; 0x07 =Monday to Saturday; 0x08 =every day;
DATA[3]	Time		The range is0-23
DATA[4]	Minute		The range is0-59
DATA[5]	second		The range is0-59

To set the scheduled start time:

Bytes	describe	Bits	illustrate
DATA[0]	0X94 =Back to timing on machine time		Feedback timing boot time
DATA[1]	timer group		0x01 =timer one; 0x02 =timer two; 0x03 =timer three; 0x04 =timer four; 0x05 =timer five;
DATA[2]	Time		The range is0-23
DATA[3]	Minute		The range is0-59
DATA[4]	second		The range is0-59

twenty three.time setting

Query time status:

Bytes	describe	Bits	illustrate
DATA[0]	0X95=query monitor time		query monitor time

Return time status:

Bytes	describe	Bits	illustrate
DATA[0]	0X95 =query monitor system time		Feedback Monitor System Time
DATA[1]	Year high value		The two-digit combination represents the year; for example, the high digit
DATA[2]	Year low value		0x07, the low bit is0XE4, combined as2020
DATA[3]	moon		The range is0x01-0x0C

DATA[4]	day		The range is0x01-0x1F
DATA[5]	Time		The range is0x01-0x18
DATA[6]	Minute		The range is0x01-0x3B
DATA[7]	second		The range is0x01-0x3B

set time:

Bytes	describe	Bits	illustrate
DATA[0]	0X96 =set monitor system time		Set monitor system time
DATA[1]	Year high value		The two-digit combination represents the year; for example, the high digit 0x07, the low bit is0XE4, combined as2020
DATA[2]	Year low value		
DATA[3]	moon		The range is0x01-0x0C
DATA[4]	day		The range is0x01-0x1F
DATA[5]	Time		The range is0x01-0x18
DATA[6]	Minute		The range is0x01-0x3B
DATA[7]	second		The range is0x01-0x3B