25	VDD1=VDD2=3.3V	1Wire	18B20	2431

3.1.2 AT24C02

3.1.3 AT24C02

3.1.4

3.2SHT3x-DIS

3.2.1

3.2.2

3.2.3

3.2.4

3.2.5

3.3VM5xx

3.3.1

3.3.2 VM5xx

3.3.4 VM5xx

3.3.5 Œ Ω Œ Œ

[IOxH]	IO
[IOxL]	IO
[DELAYx]	ms x
[FIND]	

6

UART [STDEF]

2.2$

$

$GETP=

$SETP= ,

$INFO

$STDF

“ ”

2.2.1

$GETP

2.3MODBUS

MODBUS 0x03 0x06 0x10

2.3.1 0x03

0x03				CRC
1	1	2	2	2

0x03				CRC
1	1	1	n	2

- ü 1
- ü 1 0x03
- ü 2
- ü
- ü CRC 2
- ü

1 0 10

0x01 0x03 0x00 0x00 0x00 0x0A ***0xC5 0xCD***

0x01 0x03 0x14 0x00 0x01 0x00 0x60 0x00 0x60 0x00 0x04 0x02 0xBC 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 0x00 ***0x48 0x7C*** ***10***

2.3.2 0x06

0x06				CRC
1	1	2	2	2

0x06				CRC
1	1	2	2	2

1 2 96

0x01 0x06 0x00 0x02 0x00 0x60 ***0x28 0x22***

0x01 0x06 0x00 0x02 0x00 0x60 ***0x28 0x22***

2.3.3 0x10

0x10	CRC

1	1	2		1	

[IIC][START][WT2H]A0 00[WT8S]87654321[STOP][DELAY50][IIC][START][WT4H]A0 08 38 39[STOP]

3.2SHT3x-DIS

3.2.1

SHT3x-DIS IIC
USB2S 1 SHT31-DIS 0x88

SHT3X-DIS 3 3
= 1 *256+ 2

$$= (\frac{\times 175}{65535} - 45) \qquad = (\frac{\times 100}{65535})\%$$

1	IIC			
2	IIC	0x88		
3	IIC	2		
4				

1	IIC			
2	IIC	0x88		
3	IIC	2		
4	IIC			
5	IIC	0x89		
6	IIC	2	1	CRC8
7	IIC	2	1	CRC8
8				

3.2.2
[IIC][START][WT3H]88 24 00[DELAY100][START][WT1H]89[RD6A][STOP]
[IIC][START][WT3D]136 36 00[DELAY100][START][WT1H]89[RD6A][STOP]
[IIC] IIC
[START]
[WT3H] 3 16
88 24 00 +2 0x2400
[DELAY100]
[START]
[WT1H] 1 16
89
[RD6N] 2 2 4
[STOP]
64 B3 BB 3E E3 CC(25779 16099 23.8 24.5%)

3.2.3

[IIC][START][WT3H]88 20 2F[STOP]

[IIC][START][WT3H]88 E0 00[START][WT1H]89[RD6N][STOP]

3.2.4

0x3093

[IIC][START][WT3H]88 30 93[STOP]

3.2.5

0x30A2

[IIC][START][WT3H]88 30 A2[STOP]

0x306D 0x3066

[IIC][START][WT3H]88 30 6D[STOP]

[IIC][START][WT3H]88 30 66[STOP]

[IIC][START][WT3H]88 F3 2D[START][WT1H]89[RD3N][STOP]

VM5xx 0~1 0x0001 0x0060

UART1 [IIC][START][WT6H]B0 00 00 01 00 60[STOP]

[IIC] IIC

[START]

[WT6H] 6 16

A0 00 2 VM5xx +

00 01 00 60 VM5xx 2 2 4

[STOP]

3.3.3 VM5xx

VM5xx 2 0

UART1 [IIC][START][WT2H]B0 00[START][WT1H]B1[RD4N][STOP]

UART1 4 16 00 01 00 60

[IIC] IIC

[START]

[WT2H] 2 16

A0 00 2 VM5xx +

[START]

[WT1H] 1 16

A1 VM5xx

[RD4N] 2 2 4

[STOP]

3.3.4 VM5xx

IIC VM5xx

03 0x000C

[IIC][START][WT4H]B0 03 00 0C[STOP]

3.3.5

VM5xx 32~64

[IIC][START][WT2H]B0 20[START][WT1H]B1[RD60N][STOP]

0x20(32) 60 30

UART SPI

4.1GD25QxxFLASH

4.1.1

GD25Qxx SPI FLASH 16Mbytes 256 16

4k 256 64k

Wire

2

3

7.1

4

USB2S S2STool