R6

R6 -Modbus TCP Modbus TCP

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V3.0		
V2.0		IO IO M EUIO M EU x
V1.0		

x

IO

x

x

IO

1

1.1

1

2

3

1.2

:

1)

2)

3)

4)

5)

6)

1.3

1.4

1.5

2

modbusTCP modbus

bit

bit bit bit

bit bit bit

APU

3

3.1 0x03

3.1.1

x

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	00 00
		2	00 01

x

MBAP	Hi	1	00

Lo

	Lo	1	00
		2	00 00
		2	00 2c
		1	01
MODBUS		1	03
		1	2a
		2a	0x41 0x4d 0x38 0x2d 0x51 0x43 0x2d 0x52 0x58 0x45 0x2d 0x37 0x2e 0x38 0x2e 0x30 0x32 0x2d 0x62 0x61 0x74 0x65 0x37 0x5f 0x46 0x41 0x4b 0x45 0x5f 0x54 0x47 0x46 0x5f 0x45 0x4e 0x43 0x4f 0x44 0x45 0x52 0x00

3.1.3

ID

ID

xFF

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	00 82
		2	00 01

x x x x x x

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 05
		1	01
MODBUS		1	03
		1	02
		2	0x000x02

D K ǟ ℵ p⅞

		1	08
		8	00000000 0 ID 00000001 1 ID

3.1.4

ID

ID

x

ID ID bit bit

B

ID

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 0b
		1	01
MODBUS		1	10
		2	08 83
		2	00 02
		1	04
		4	00000001

δ θ λ

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 05
		1	01
MODBUS		1	03
		1	02
		2	00 01

IO

x b x IO IO

x b

x d IO

b

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01

MODBUS

		2	00 07
		1	01
MODBUS		1	03
		1	04
		4	00 00 00 00 00

IO

x b x bc IO

IO

b

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	08 b3
		2	00 02

IO

IO

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 07
		1	01
MODBUS		1	03
		1	04
		4	00 00 00 00 00

3.1.7

X db

x

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	08 dc
		2	00 02

dc

de

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 07
		1	01
MODBUS		1	03
		1	04
		4	00 00 00 00

3.1.9

mm mm

X, Y, Z, U, V, W, M , M

x c x b , x c

x x e Y

,

c

MBAP	Hi		00
	Lo		00
		2	00 00
		2	00 06
		1	
MODBUS		1	03
		1	09 1c
		2	00 02

2 00 00 00 00 00 06 01 03 09 1c 00 04

ìeA v Ð>À

0 ì æ 7à

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 07
		1	01
MODBUS		1	03
		1	04
		4	00 00 00 00

3.1.10

x

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 05
		1	01
MODBUS		1	03
		1	02
		4	03 25

3.1.11

ms

X d

d

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	09 5d
		2	00 04

MODBUS		1	03
		1	08
		8	00 00 00 00 00 00 00 00

X

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	09 61
		2	00 04

b

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 0b
		1	01
MODBUS		1	03
		1	08
		8	00 00 00 00 00 00 00 00

3.1.12

X

`

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	09 65
		2	00 01

x

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 05
		1	01
MODBUS		1	03
		1	02
		2	00 01

3.1.13

X x d

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	09 66
		2	00 01

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 05
		1	01
MODBUS		1	03
		1	02
		2	00 00

3.1.14

RPM

x x d

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	09 8¶6 M ă
		2	00 01

MBAP	Hi	1	00
	Lo	1	00
		2	00

MODBUS		1	03
		1	02
		2	00 00

3.1.15

X a

a

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	03
		2	09 a6
		2	00 01

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 05
		1	01
MODBUS		1	03
		1	02
		2	00 01

3.2 0x06

3.2.1

xFFFF

x

e

e

, ;

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	06
		2	4e 20
		2	00 01

3.2.2

x

x ee

e e

x

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	06
		2	4e e8
		2	00 64

3.3 0x10

3.3.1 I0

IO IO

IO

x

X b x bc , IO x b

x b x b

IO

B b

IO

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 0b
		1	01
MODBUS		1	10
		2	08 b3
		2	00 02
		1	04
		4	00 00 00 01

IO

b

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	10
		2	08 b3
		2	00 02

3.3.3

IO IO

IO IO M EUIO

x

x e

d e

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 0d
		1	01
MODBUS		1	10
		2	4e 58
		2	00 03
		1	06
		6	00 00 00 01 00 01

e

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	10
		2	4e 58
		2	00 03

3.3.4

bit

x

x f c x d

b f c

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 0b
		1	01
MODBUS		1	10
		2	4f 4c
		2	00 02
		1	04
		4	00 00 00 64

f c

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	10
		2	4f 4c
		2	00 02

b f e

f f c C

3.3.5

ID ID ID

x x

b

ID , ,

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 0d
		1	01
MODBUS		1	10
		2	75 32
		2	00 03
		1	06
		6	00 64 00 06 00 23

f c

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 06
		1	01
MODBUS		1	10
		2	75 32
		2	00 03

x x C

b A

A B C

MBAP	Hi	1	00
	Lo	1	00
		2	00 00
		2	00 0d
		1	01
MODBUS		1	10
		2	75 35
		2	00 1A
		1	34
		52	00 02 00 01 00 00 00 01 00 00 00 02 00 00 00 03 00 00 00 04 00 00 00 05 00 00 00 06 00 00 00 07 00 00 00 08 00 00

ID 32

132	84	0	ID	R	/	/
133	85	1	ID	R	/	/
134	86	1	ID	R	/	/
……	……	……		R	/	/
2178	882	1023	I@			

M 0	2198	896	M 0 0 15	R	/	/	
M 1	2199	897	M 1 16 31	R	/	/	
M 1	2200	898	M 1 0 15	R	/	/	
M 2	2201	899	M 2 16 31	R	/	/	
M 2	2202	89A	M 2 0 15	R	/	/	
EU 0	2203	89B	EU 0 16 31	R	/	/	
EU 0	2204	89C	EU 0 0 15	R	/	/	
	……	……		R	/	/	
	2226	8B2		R	/	/	
IO 0	2227	8B3	IO 0 16 31	R/W	/	/	
IO 0	2228	8B4	IO 0 0 15	R/W	/	/	
IO 1	2229	8B5	IO 1 16 31	R/W	/	/	
IO 1	2230	8B6	IO 1 0 15	R/W	/	/	
IO 2	2231	8B7	IO 2 16 31	R/W	/	/	
IO 2	2232	8B8	IO 2 0 15	R/W	/	/	
IO 3	2233	8B9	IO 3 16 31	R/W	/	/	
IO 3	2234	8BA	IO 3 0 15	R/W	/	/	
IO 4	2235	8BB	IO 4 16 31	R/W	/	/	
IO 4	2236	8BC	IO 4 0 15	R/W	/	/	
M 0	2237	8BD	M 0 16 31	R/W	/	/	
M 0	2238	8BE	M 0 0 15	R/W	/	/	
M 1	2239	8BD	M 1 16 31	R/W	/	/	

M	1		2240	8BE	M	1	0	15	R/W	/	/
M	2		2241	8BF	M	2	16	31	R/W	/	/
M	2		2242	8C0	M	2	0	15	R/W	/	/
EU	0		2243	8C1	EU	0	16	31	R/W	/	/
EU	0		2244	8C2	EU	0	0	15	R/W	/	/
			……	……					R/W	/	/
			2266	8DA					R/W	/	/
			2267	8DB					R	0	8
											8
	1		2268	8DC		0	J1		R	/	/
											double
											3
											1000
	1		2269	8DD		0	J1		R	/	/
	2		2270	8DE		1	J2		R	/	/
	2		2271	8DF		1	J2		R	/	/
	3		2272	8E0		2	J3		R	/	/
	3		2273	8E1		2	J3		R	/	/
	4		2274	8E2		3	J4		R	/	/
	4		2275	8E3	E¤	3	J4		R	/	/
	5		2276	8E4							

X	2333	91D	0(X)	R	/	/	
Y	2334	91E	1(Y)	R	/	/	
Y	2335	91F	1(Y)	R	/	/	
Z	2336	920	2(Z)	R	/	/	
Z	2337	921	2(Z)	R	/	/	
U	2338	922	3(U)	R	/	/	
U	2339	923	3(U)	R	/	/	
V	2340	924	4(V)	R	/	/	
V	2341	925	4(V)	R	/	/	
W	2342	926	5(W)	R	/	/	
W	2343	927	5(W)	R	/	/	
M7	2344	928	6(M7)	R	/	/	
M7	2345	929	6(M7)	R	/	/	
M8	2346	92A	7(M8)	R	/	/	
M8	2347	92B	7(M8)	R	/	/	
	……	……		R	/	/	
	2395	95B		R	/	/	
	2396	95C		R	/	/	
	2397	95D	48 63bit	R	/	/	64
	2398	95E	32 47bit	R	/	/	
	2399	95F	16 31bit	R	/	/	
	2400	960	0 15bit	R	/	/	
	2401	961	48 63bit	R	/	/	
	2402	962	32 47bit	R	/	/	

	2403	963	16 31bit	R	/	/	
	2404	964	0 15bit	R	/	/	
	2405	965	ID	R	/	/	
1	2406	966	0	R	/	/	
2	2407	967	1	R	/	/	
3	2408	968	2	R	/	/	
4	2409	969	3	R	/	/	
5	2410	96A	4	R	/	/	
6	2411	96B	5	R	/	/	
7	2412	96C	6	R	/	/	
8	2413	96D	7	R	/	/	
	……	……		R	/	/	
	2437	985		R	/	/	
1	2438	986	0	R	/	/	
2	2439	987	1	R	/	/	
3	2440	988	2	R	/	/	
4	2441	989	3	R	/	/	
5	2442	98A	4	R	/	/	
6	2443	98B	5	R	/	/	
7	2444	98C	6	R	/	/	
8	2445	98D	7	R	/	/	
	……	……		R	/	/	
	2469	9A5		R	/	/	
	2470	9A6		R	0	1	1 ,0
	2471	9A7		R	0	1	1 0
	2472	9A8		R	1	64	
	2473	9A9		R	/	/	
	……	……	……	R	/	/	
	2536	9E8		R	/	/	
	2537	9E9		R	/	/	
	……	……		R	/	/	
	……	……		R	/	/	
	20000	4E20		W	/	/	

	20001	4E21		W	/	/	
	20002	4E22		W	/	/	
	20003	4E23	startButton:	W	/	/	
	20004	4E24	stopButton:	W	/	/	
	20005	4E25		W	/	/	
	20006	4E26		W	/	/	:
	……	……		W	/	/	
	20049	4E51		W	/	/	
	20050	4E52	ID	W	/	/	ID
	20051	4E53	ID	W	/	/	
	20052	4E54		W	/	/	
	20053	4E55		W	/	/	
	20054	4E56		W	/	/	
	20055	4E57		W	/	/	
	20056	4E58	ID	W	0	7	0 4 IO 5 7 M ( ) 8 EUIO
	20057	4E59		W	0	31	0 31
	20058	4E5A		W	0	1	0 OFF 1 ON
	20059	4E5B	ID	W	/	/	

20060	4E5C	X	W	/	/		
20061	4E5D	X	W	/	/		
20062	4E5E	Y	W	/	/		
20063	4E5F	Y	W	/	/		
20064	4E60	Z	W	/	/		
20065	4E61	Z	W	/	/		
20066	4E62	X	W	/	/		
20067	4E63	X	W	/	/		
20068	4E64	Y	W	/	/		
20069	4E65	Y	W	/	/		
20070	4E66	Z	W	/	/		
20071	4E67	Z	W	/	/		
……	……		W	/	/		
20200	4EE8		RW	0	1000	32	1
……	……		RW	/	/		
20300	4F4C	allpara[0]	RW	/	/		

			4				
	30004	7534	. 0-5 1-6	RW	/	/	6 1,2,6 0x23
	30005	7535		RW	/	/	
	30006	7536		RW	/	/	1
	30007	7537	1	W	/	/	
	30008	7538	1	W	/	/	
	. . .	. . .	. . .	W	/	/	
	40000	9C40		W	/	/	

5 0x01 0x05

	(10)	16		r/w			
Y010	0	0	0xFF00 0x0000	W	/	/	
Y247	159	9F	0xFF00 0x0000	W	/	/	
M010	160	A0	0xFF00 0x0000	W	/	/	
M147	255	FF	0xFF00 0x0000	W	/	/	
EUY010	256	100	0xFF00 0x0000	W	/	/	
EUY047	287	11F	0xFF00 0x0000	W	/	/	

华成工控

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