

# CAN

CAN ROS CAN

CAN

CANID XX

ID 0B

		00~1F	00~FF	00~FF	00~FF		00~1F	00~FF	00~FF	00~FF				
		0B	xx	xx	11		0B	xx	xx	B1				
		0B	xx	xx	12		0B	xx	xx	B2				
		0B	xx	xx	13		0B	xx	xx	B3				
		0B	xx	xx	14		0B	xx	xx	B4				
	/	/	/	/	/		0B	xx	xx	B5				

1.

000000				
000	000	CAN ID	0000	ms0
00	000	0x 0B XX XX 11	1	/
000	00	0000	00	
byte[0]	00000	unsigned int8	0: 00/ 1~10: 10ms / 10~255:0000010ms0	
byte[1~7]	/	/	/	

000000				
000	000	CAN ID	0000	000ms0
000	00	0x 0B XX XX B1	8	0010
000	00	0000	00	
byte[0]	x0000[7:0]	signed int16	0000.01deg(°)	
byte[1]	x0000[8:15]			
byte[2]	y0000 [7:0]	signed int16	0000.01deg(°)	
byte[3]	y0000 [8:15]			
byte[4]	z0000[7:0]	signed int16	0000.01deg(°)	
byte[5]	z0000[8:15]			
byte[6]	00000[7:0]	unsigned int16	000ms	
byte[7]	00000[8:15]			

“ 000 00x01 00x02 0IMU 0010ms000x=0.5° y=1.0° z=1.5° ”

0000					
0000	CAN ID	000	000	0000	0000L->H0
00	0x0B 01 02 11	000	000	1	14
000	0x0B 01 02 B1	000	000	8	32 00 64 00 96 00 01 00

2. 000000 / 000000

000				
000	000	CAN ID	0000	ms0
00	000	0x 0B XX XX 12	1	/
000	00	0000	00	
byte[0]	00000	unsigned int8	0: 00/ 1~10: 10ms / 10~255:0000010ms0	
byte[1~7]	/	/	/	

000				
000	000	CAN ID	0000	000ms0
000	00	0x 0B XX XX B2	8	0010
000	00	0000	00	
byte[0]	x00000 [7:0]	signed int16	0000.01 deg/s	
byte[1]	x00000 [8:15]			
byte[2]	y00000 [7:0]	signed int16	0000.01 deg/s	
byte[3]	y00000 [8:15]			
byte[4]	z00000 [7:0]	signed int16	0000.01 deg/s	
byte[5]	z00000 [8:15]			
byte[6]	00000 [7:0]	unsigned int16	000ms	
byte[7]	00000 [8:15]			

“ 000 00x01 00x02 0IMU 0010ms000x=0.5°/s y=1.0°/s z=1.5°/s0

0000

□□□□	CAN ID	□□□	□□□	□□□□	□□□□L->H□
□□	0x0B 01 02 12	□□□	□□□	1	14
□□□	0x0B 01 02 B2	□□□	□□□	8	32 00 64 00 96 00 01 00

3. □□□□□□ / □□□□□□

□□□□□□				
□□□	□□□	CAN ID	□□□□	ms□
□□	□□□	0x 0B XX XX 13	1	/
□□□	□□	□□□□	□□	
byte[0]	□□□□□□	unsigned int8	0: □□/ 1~10: 10ms / 10~255:□□□□□□10ms□	
byte[1~7]	/	/	/	

□□□□□□				
□□□	□□□	CAN ID	□□□□	□□□ms□
□□□	□□	0x 0B XX XX B3	8	□□10
□□□	□□	□□□□	□□	
byte[0]	x□□□□□[7:0]	signed int16	□□□0.01m/s²	
byte[1]	x□□□□□[8:15]			
byte[2]	y□□□□□[7:0]	signed int16	□□□0.01m/s²	
byte[3]	y□□□□□[8:15]			
byte[4]	z□□□□□[7:0]	signed int16	□□□0.01m/s²	

byte[5]	z[8:15]		
byte[6]	[7:0]	unsigned int16	ms
byte[7]	[8:15]		

“ [0x01][0x02] IMU 10msx=0.5m/s y=1.0m/s z=1.5m/s

	CAN ID				L->H
	0x0B 01 02 13			1	14
	0x0B 01 02 B3			8	32 00 64 00 96 00 01 00

4.

		CAN ID		ms
		0x 0B XX XX 14	1	/
byte[0]		unsigned int8	0: ()/ 1~10: 10ms / 10~255:	
byte[1~7]	/	/	/	

		CAN ID		ms
		0x 0B XX XX B4	8	

byte[0]	qw[0:7]	float	
byte[1]	qw[8:15]		
byte[2]	qw[16:23]		
byte[3]	qw[24:31]		
byte[4]	qx[0:7]	float	
byte[5]	qx[8:15]		
byte[6]	qx[16:23]		
byte[7]	qx[24:31]		

2				
		CAN ID		ms
		0x 0B XX XX B5	8	
byte[0]	qy[0:7]	float		
byte[1]	qy[8:15]			
byte[2]	qy[16:23]			
byte[3]	qy[24:31]			
byte[4]	qz[0:7]	float		
byte[5]	qz[8:15]			
byte[6]	qz[16:23]			
byte[7]	qz[24:31]			

☐☐ #1

☐ Yangfan He ☐☐ 29 ☐☐ 2024 06:53:20

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