1.1 AGV Control command-1: Turn signal.....

ID:43Fh

Mess	age Para	ameter		Parameter definition		
	definitio	n				
	Cycle time	`Byte	Bit	parameter	Factor	Offset
AGV control	100ms	1	18	Reserve	1	0
command -1		2	18	Reserve	1	0
Turn signal		3	18	Reserve	1	0
201h		4	18	Reserve	1	0
		5	14	Reserve	1	0
			5	L turn signal(1:on/0:off)	1	0
			6	R turn signal(1:on/0:off)	1	0
			7	auto pilot mode off (1:disenable auto pilot /0:n/a)	1	0
			8	Headlight (1:off/0:on)	1	0
		6	18	Reserve	1	0
		7	18	Reserve	1	0
		8	18	Heart beam (0~FF)	1	0

1.2 AGV Control command-2: Stall command

ID:168h

	age Par definitio			Parameter definition	n seed in	
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV control command	100ms	1	18	Stall command P:8 R:2 N:4 D:1	1	0
Stall command		2	18	Reserve	1	0
ID:168	, 41	3	18	Reserve	1	0
		4	18	Reserve	1	0
		5	18	Reserve	1	0
-		6	18	Reserve	1	0
		7	18	Reserve	1	0
		8	18	Reserve	1	0

1.3 AGV Control command-3: Throttle command

ID:075h

Mess	sage Par	ameter		Parameter definition		
	definitio	n				
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV control	100ms	1	18	Throttle command low byte(%)	0.4%	0
command -3		2	18	Reserve	1	0
Throottle command		3	18	Reserve	1	0
ID:075h		4	18	Reserve	1	0
		5	18	Reserve	1	0
		6	18	Reserve	1	0
		7	18	Reserve	1	0
		8	18	Reserve	1	0

1.4 AGV Control command-4: EPS command

ID:065h

	age Par definition			Parameter definition		
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV control	25ms	1	18	EPS command low byte		
command -4		2	18	EPS command high byte	0.1	0
EPS command	D.			(0~18000 central postiton 9000)		
ID:065h		3	18	Reserve	1	0
#1 55 11	J	4	18	Reserve	1	0
,		5	18	Reserve	1	0
		6	18	Reserve	1	0
	T	7	18	Reserve	1	0
	_	8	18	Reserve	1	0

2.1 AGV Status-1: AGV Status

ID:363h

Mes	sage Par	ameter		Parameter definition		
	definitio	on				
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV Status-1	10ms	1	18	Vehicle speed low byte (M/KMh)	1	0
AGV Status		2	18	Vehicle speed high byte (M/KMh)	1	0
ID:203h		3	18	Reserve	1	0
		4	18	Reserve	1	0
		5	18	VCU leve 1 alarm Bit0: Remoter receiver signal lose	1	0
				Bit1: Remoter receiver power lose Bit2: Reserve		
				Bit3: AI CAN signal lose Bit4: EPS hardware fault Bit5: EPS CAN bus fault		
				Bit6: reserve Bit7:S-driver alarm		
		6	18	VCU leve 2 alarm(reserve)	1	0
		7	1	Remote controller button 1	1	0
			2	Remote controller button 2	1	0
			34	Reserve	1	0
			5	L turn left	1	0
			6	R turn right	1	0
			7	Manual Mode	1	0
			8	Auto pilot mode	1	0
		8	18	Heart beam (0~FF)	1	0

2.2 AGV Status-2: Stall Status

ID:0A3h

Mas	sage Par	ameter		Deservator definition		
wes				Parameter definition		
	definition	on				
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offse
AGV		1	18	Stall Status	1	0
Status-2	25ms			P:8		
Stall				R:2		
Status				N:4		
ID:0A3h				D:1		
		2	18	Reserve	1	0
		3	18	Reserve	1	0
		4	18	Reserve	1	0
		5	18	Reserve	1	0
		6	18	Reserve	1	0
		7	18	Reserve	1	0
		8	18	Reserve	1	0

2.3 AGV Status-3: Throttle status

ID:050h

Mes	sage Pa	ameter		Parameter definition		
	definition	on				
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV Status-3	10ms	1	18	Throttle Status(%)	0.4%	0
Throttle Status		2	18	Reserve	1	0
ID:050h		3	18	Reserve	1	0
		4	18	Reserve	1	0
		5	18	Reserve	1	0
		6	18	Reserve	1	0
		7	18	Reserve	1	0
		8	18	Reserve	1	0

2.4.1 AGV Status-4: EPS status

ID:067h

Mes	sage Par	ameter		Parameter definition		
definition						
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV Status-5	10ms	1	18	Heart beam	1	0
EPS Status		2	18	EPS voltage(12V=100%)	1	0
ID:067h		3	18	Steering angle low byte		
				(0~18000 central postiton 9000)	0.1	0
		4	18	Steering angle high byte		
				(0~18000 central postiton 9000)		
		5	18	Steering torque low byte	1	0
		6	18	Steering torque high byte	1	0
		7	18	Steering speed low byte	1	0
		8	18	Steering speed high byte	1	0

2.4.2 AGV Status-5: EPS status

ID:167h

Mes	sage Pai			Parameter definition		
Name/ID	Cycle	Byte	Bit	parameter	Factor	Offset
AGV Status-6	10ms	1	18	Reserve	1	0
EPS Status		2	18	Reserve	1	0
D:167h		3	18	Reserve	1	0
		4	18	EPS mode status 00:steering assist 01: steering angle control 02:steering speed control FF:EPS off	1	0
		5	18	Reserve	1	0
		6	18	Reserve	1	0
		7	18	Reserve	1	0
		8	1	EPS under voltage fault	1	0
			2	EPS over voltage fault	1	0
			3	EPS excessive current error	1	0
			4	EPS over current shut down	1	0
			5	EPS Temp>110	1	0
			6	EPS Temp>120	1	0
			7	EPS motor encoder fault	1	0
			8	EPS position encoder fault	1	0

2.4.3 AGV Status-6: EPS status

ID:267h

Mes	sage Par	ameter		Parameter definition		
	definitio	n				
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV Status-7	10ms	1	18	Steering central position High byte	1	0
EPS Status		2	18	Steering central position Low byte	1	0
ID:267h		3	18	Steering left position High byte	1	0
		4	18	Steering left position Low byte	1	0
		5	18	Steering right position High byte	1	0
		6	18	Steering right position Low byte	1	0
2.5		7	18	Reserve	1	0
		8	18	Reserve	1	0

2.4.3 AGV Status-7: Rear Wheel speed status

ID:101h

Mes	sage Par	ameter		Parameter definition		
	definitio	on				
Name/ID	Cycle time	Byte	Bit	parameter	Factor	Offset
AGV Status-7	10ms	1	18	Wheel speed L byte_0 @mm	1	0
Rear Wheel		2	18	Wheel speed L byte_1 @mm	1	0
Speed Status		3	18	Wheel speed L byte_2 @mm	1	0
ID:101h		4	18	Wheel speed L byte_3 @mm	1	0
		5	18	Wheel speed R byte_0 @mm	1	0
		6	18	Wheel speed R byte_1 @mm	1	0
		7	18	Wheel speed R byte_2 @mm	1	0
		8	18	Wheel speed R byte_3 @mm	1	0

Alarm Led flashing indicated

01: Battery low /battery connector fault

02: Motor power connected fault

03: Motor short circuit

04: Freewheel switch activate

05: No use

06: Charger connected driving limited

07: Throttle fault

08: S-driver controller fault

09: Parking brakes fault

10: An excessive voltage

11: Battery voltage<20

12: EPS CAN bus fault

13: EPS hardware fault

14: AI CAN bus fault

15: Battery voltage<22

16: Remoter receiver power lose

17: Remoter signal lose