

EEPROM MEMORY MAP**HEADER**

0	set flag			
	0	1	2	3
	s	e	t	\0
4	MSG SIZE			
	0	1		
	73			

BODY

NETWORK				
6	LOCAL_IP			
	0	1	2	3
	192	168	2	114
10	NETWORK MASK			
	0	1	2	3
	255	255	255	0
14	GATEAWAY			
	0	1	2	3
	192	168	2	1
18	DHCP CONF			
	0			
	1			
19	ROS CLIENT PORT			
	0			
	1			
21	10888			
	SET UP SERVER PORT			
	0			
23	11511			
	SERIAL NODE IP			
	0			
27	1			
	2			
	3			
27	192			
	168			
	2			
27	150			
	SERIALNODE PORT			
	0			
27	1			
	11411			

Robot Geometry	
29	DRIVER_TYPE
	0
	1
30	WHEEL_RADIUS
	0 1
	100
32	WHEEL_SEPARATION
	0 1
	450
34	MAX_LIN_VEL
	0 1
	1900
36	MAX_ANG_VEL
	0 1
	1900
38	RAD_PER_TICK
	0 1
	1745
40	MAX_PWD_ALLOWED
	0 1
	255

ROS TOPICS			
42	CMD_VEL LENGTH		
	0		
	8		
43	CMD_VEL TOPIC NAME		
	0	...	(length - 1)
	/cmd_vel		
(51) 43 + cmd_vel_length	ODOMETRY LENGTH		
	0		
	5		
(52) 43 + cmd_vel_length + 1	ODOMETRY TOPIC NAME		
	0	...	(length - 1)
	/odom		
(57)	BASE FRAME LENGTH		
	0		
	9		
(58)	BASE FRAME NAME		
	0	...	(length - 1)
	base_link		
(67)	ODOMETRY FRAME LEGTH		
	0		
	4		
(68)	ODOMETRY FRAME NAME		
	0	...	(length - 1)
	odom		
(72)	CHECKSUM		
	0		
	87		

Sheet1

const length	45
max var length	1020
Max msg size	1065
Max 2 bytes num	65535
Motor driver type	
IBT	0
BB	1