

EEPROM MEMORY MAP**HEADER**

0	set flag			
	0	1	2	3
	s	e	t	\0
4	MSG SIZE			
	0	1		
	71			

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	ROS CLIENT PORT			
	0	1		
	10888			
20	SET UP SERVER PORT			
	0	1		
	11511			
22	SERIAL NODE IP			
	0	1	2	3
	192	168	2	150
26	SERIALNODE PORT			
	0	1		
	11411			

Robot Geometry

28	WHEEL_RADIUS	
	0	1
	100	
30	WHEEL_SEPARATION	
	0	1
	450	
32	MAX_LIN_VEL	
	0	1
	1900	
34	MAX_ANG_VEL	
	0	1
	1900	
36	RAD_PER_TICK	
	0	1
	1745	
38	MAX_PWD_ALLOWED	
	0	1
	255	

ROS TOPICS		
40	CMD_VEL LENGTH	
	0	
	8	
41	CMD_VEL TOPIC NAME	
	0	(length - 1)
	/cmd_vel	
(49) 41 + cmd_vel_length	ODOMETRY LENGTH	
	0	
	5	
(50) 41 + cmd_vel_length + 1	ODOMETRY TOPIC NAME	
	0	(length - 1)
	/odom	
(55)	BASE FRAME LENGTH	
	0	
	9	
(56)	BASE FRAME NAME	
	0	(length - 1)
	base_link	
(65)	ODOMETRY FRAME LEGTH	
	0	
	4	
(66)	ODOMETRY FRAME NAME	
	0	(length - 1)
	odom	
(70)	CHECKSUM	
	0	
	22	

Sheet1

const length	45
max var length	1020
Max msg size	1065
Max 2 bytes num	65535