

NOTE :

MSB to LSB for all registers  
BIG ENDIAN  
Max addressing is 0x0FFF

	Board	RearSensor		HMI	
Partition	E2PROM Address	Value	Description	Value	Description
Reserved for hardware specific config (FT260?)	0x0000				
	0x0001				
	0x0002				
	0x....				
Identity Data	0x0100	"R"	Board Name (NUL terminated string)	"H"	Board Name (NUL terminated string)
	0x0101	"E"		"M"	
	0x0102	"A"		"I"	
	0x0103	"R"		NUL	
	0x0104	NUL			
	0x0105				
	0x0106				
	0x0107				
	0x0108				
	0x0109				
	0x010A				
	0x010B				
	0x010C				
	0x010D				
	0x010E				
	0x010F				
	0x0110	0 to 255	HW Version (Major)	0 to 255	HW Version (Major)
	0x0111	0 to 255	HW Version (Minor)	0 to 255	HW Version (Minor)
	0x0112	0 to 255	BOM Version A to Z	0 to 255	BOM Version A to Z
	0x0113	0 to 255	EMS	0 to 255	EMS
	0x0114	0x00 - 0xFF	Year	0x00 - 0xFF	Year
	0x0115	0x00 - 0xFF	Week	0x00 - 0xFF	Week
	0x0116	0x00 - 0xFF	Identifier	0x00 - 0xFF	Identifier
	0x0117	0x00 - 0xFF		0x00 - 0xFF	
	0x0118	"M"	Product Name (NUL terminated string)	"M"	Product Name (NUL terminated string)
	0x0119	"Y"		"Y"	
	0x011A	"E"		"E"	
	0x011B	"K"		"K"	
	0x011C	"O"		"O"	
	0x011D	NUL		NUL	
	0x011E				
	0x011F				
	0x0120				
	0x0121				
	0x0122				
	0x0123				
	0x0124				
	0x0125				
	0x0126				
	0x0127				
	0x0128	1 to 255* (255 = v0)	Calib Version		
	0x....				
	0x0200	0 to 255	Test # Iteration	0 to 255	Test # Iteration
	0x0201	0 to 1	Test Status	0 to 1	Test Status
	0x0202	0 to 255	Timestamp	0 to 255	Timestamp
	0x0203	0 to 255		0 to 255	

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	Board	RearSensor		HMI	
			(UNIX EPOCH)	0 to 255	(UNIX EPOCH)
Test Data	0x0204	0 to 255		0 to 255	
	0x0205	0 to 255		0 to 255	
	0x0206	0 to 1	REAR 5°C Thermistor Test Status		
	0x0207	0 to 1	REAR 25°C Thermistor Test Status		
	0x0208	0 to 1	REAR 50°C Thermistor Test Status		
	0x0209	0 to 1	REAR 5°C Thermopile Test Status		
	0x020A	0 to 1	REAR 25°C Thermopile Test Status		
	0x020B	0 to 1	REAR 50°C Thermopile Test Status		
	0x020C	0 to 1	BOTTOM 5°C Thermopile Test Status		
	0x020D	0 to 1	BOTTOM 25°C Thermopile Test Status		
	0x020E	0 to 1	BOTTOM 50°C Thermopile Test Status		
	0x020F	0 to 1	Temp Sensor Test Status		
	0x0210	0 to 1	Microphone Test Status		
	0x0211	0 to 1	Luxmeter Test Status		
	0x0212				
	0x0213				
	0x....				
	0x0300	IEEE 754	REAR Thermistor Rpull-up		
	0x0301				
	0x0302				
	0x0303				
	0x0304	IEEE 754	REAR Thermistor 3V3 Voltage		
	0x0305				
	0x0306				
	0x0307				
	0x0308	IEEE 754	REAR Thermistor coeff Beta		
	0x0309				
	0x030A				
	0x030B				
	0x030C	IEEE 754	REAR Thermistor R(25°C)		
	0x030D				
	0x030E				
	0x030F				
	0x0310	IEEE 754	REAR Thermistor T(25°C)		
	0x0311				
	0x0312				
	0x0313				
	0x0314	IEEE 754	REAR Thermistor coeff Steinhart-hart a		
	0x0315				
	0x0316				
	0x0317				
	0x0318	IEEE 754	REAR Thermistor coeff Steinhart-hart b		
	0x0319				
	0x031A				
	0x031B				
	0x031C	IEEE 754	REAR Thermistor coeff Steinhart-hart c		
	0x031D				
	0x031E				
	0x031F				
	0x0320	IEEE 754	REAR Thermistor		
	0x0321				

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Calibration Data  
(all data must be in  
IEEE754 format)

Board	RearSensor		HMI	
0x0322	IEEE 754	coeff cal_TH a		
0x0323				
0x0324				
0x0325	IEEE 754	REAR Thermistor coeff cal_TH b		
0x0326				
0x0327				
0x0328				
0x0329	IEEE 754	REAR Thermistor coeff cal_TH c		
0x032A				
0x032B				
0x032C				
0x032D	IEEE 754	REAR Thermopile Amplifier Gain		
0x032E				
0x032F				
0x0330				
0x0331	IEEE 754	REAR Thermopile Amplifier Offset		
0x0332				
0x0333				
0x0334				
0x0335	IEEE 754	REAR Thermopile coeff TP a		
0x0336				
0x0337				
0x0338				
0x0339	IEEE 754	REAR Thermopile coeff TP b		
0x033A				
0x033B				
0x033C				
0x033D	IEEE 754	REAR Thermopile coeff TP c		
0x033E				
0x033F				
0x0340				
0x0341	IEEE 754	REAR Thermopile coeff offset TP a		
0x0342				
0x0343				
0x0344				
0x0345	IEEE 754	REAR Thermopile coeff offset TP b		
0x0346				
0x0347				
0x0348				
0x0349	IEEE 754	REAR Thermopile coeff offset TP c		
0x034A				
0x034B				
0x034C				
0x034D	IEEE 754	REAR Thermopile coeff cal_TP a		
0x034E				
0x034F				
0x0350				
0x0351	IEEE 754	REAR Thermopile coeff cal_TP b		
0x0352				
0x0353				
0x0354				

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Board	RearSensor		HMI	
0x0355	IEEE 754	REAR Thermopile coeff cal_TP c		
0x0356				
0x0357				
0x0358	IEEE 754	REAR Thermistor LOW reference		
0x0359				
0x035A				
0x035B				
0x035C	IEEE 754	REAR Thermistor MID reference		
0x035D				
0x035E				
0x035F	IEEE 754	REAR Thermistor HIGH reference		
0x0360				
0x0361				
0x0362				
0x0363	IEEE 754	REAR Thermistor LOW voltage raw		
0x0364				
0x0365				
0x0366				
0x0367	IEEE 754	REAR Thermistor MID voltage raw		
0x0368				
0x0369				
0x036A				
0x036B	IEEE 754	REAR Thermistor HIGH voltage raw		
0x036C				
0x036D				
0x036E				
0x036F	IEEE 754	REAR Thermopile LOW reference		
0x0370				
0x0371				
0x0372				
0x0373	IEEE 754	REAR Thermopile MID reference		
0x0374				
0x0375				
0x0376				
0x0377	IEEE 754	REAR Thermopile HIGH reference		
0x0378				
0x0379				
0x037A				
0x037B	IEEE 754	REAR Thermopile LOW voltage raw TP		
0x037C				
0x037D				
0x037E				
0x037F	IEEE 754	REAR Thermopile MID voltage raw TP		
0x0380				
0x0381				
0x0382				
0x0383	IEEE 754	REAR Thermopile HIGH voltage raw TP		
0x0384				
0x0385				
0x0386				
0x0387				

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Board		RearSensor		HMI	
	0x0388	IEEE 754	REAR Thermopile LOW voltage raw TH		
	0x0389				
	0x038A				
	0x038B				
	0x038C	IEEE 754	REAR Thermopile MID voltage raw TH		
	0x038D				
	0x038E				
	0x038F				
	0x0390	IEEE 754	REAR Thermopile HIGH voltage raw TH		
	0x0391				
	0x0392				
	0x0393				
	0x0394				
	0x0395				
Specific	0x....				
	0x0400				
	0x0401				
	0x....				
	0x0500	IEEE 754	BOTTOM Thermistor Rpull-up		
	0x0501				
	0x0502				
	0x0503				
	0x0504	IEEE 754	BOTTOM Thermistor 3V3 Voltage		
	0x0505				
	0x0506				
	0x0507				
	0x0508	IEEE 754	BOTTOM Thermistor coeff Beta		
	0x0509				
	0x050A				
	0x050B				
	0x050C	IEEE 754	BOTTOM Thermistor R(25°C)		
	0x050D				
	0x050E				
	0x050F				

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Board	RearSensor		HMI	
0x0510	IEEE 754	BOTTOM Thermistor T(25°C)		
0x0511				
0x0512				
0x0513				
0x0514	IEEE 754	BOTTOM Thermistor coeff Steinhart-hart a		
0x0515				
0x0516				
0x0517				
0x0518	IEEE 754	BOTTOM Thermistor coeff Steinhart-hart b		
0x0519				
0x051A				
0x051B				
0x051C	IEEE 754	BOTTOM Thermistor coeff Steinhart-hart c		
0x051D				
0x051E				
0x051F				
0x0520	IEEE 754	BOTTOM Thermistor coeff cal_TH a		
0x0521				
0x0522				
0x0523				
0x0524	IEEE 754	BOTTOM Thermistor coeff cal_TH b		
0x0525				
0x0526				
0x0527				
0x0528	IEEE 754	BOTTOM Thermistor coeff cal_TH c		
0x0529				
0x052A				
0x052B				
0x052C	IEEE 754	BOTTOM Thermopile Amplifier Gain		
0x052D				
0x052E				
0x052F				
0x0530	IEEE 754	BOTTOM Thermopile Amplifier Offset		
0x0531				
0x0532				
0x0533				
0x0534	IEEE 754	BOTTOM Thermopile coeff TP a		
0x0535				
0x0536				
0x0537				
0x0538	IEEE 754	BOTTOM Thermopile coeff TP b		
0x0539				
0x055A				
0x055B				
0x055C	IEEE 754	BOTTOM Thermopile coeff TP c		
0x055D				
0x055E				
0x055F				
0x0540	IEEE 754	BOTTOM Thermopile coeff offset TP a		
0x0541				
0x0542				

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Board	RearSensor		HMI	
0x0543				
0x0544				
0x0545	IEEE 754	BOTTOM Thermopile coeff offset TP b		
0x0546				
0x0547				
0x0548				
0x0549	IEEE 754	BOTTOM Thermopile coeff offset TP c		
0x054A				
0x054B				
0x054C				
0x054D	IEEE 754	BOTTOM Thermopile coeff cal_TP a		
0x054E				
0x054F				
0x0550				
0x0551	IEEE 754	BOTTOM Thermopile coeff cal_TP b		
0x0552				
0x0553				
0x0554				
0x0555	IEEE 754	BOTTOM Thermopile coeff cal_TP c		
0x0556				
0x0557				
0x0558				
0x0559	IEEE 754	BOTTOM Thermistor LOW reference		
0x055A				
0x055B				
0x055C				
0x055D	IEEE 754	BOTTOM Thermistor MID reference		
0x055E				
0x055F				
0x0560				
0x0561	IEEE 754	BOTTOM Thermistor HIGH reference		
0x0562				
0x0563				
0x0564				
0x0565	IEEE 754	BOTTOM Thermistor LOW voltage raw		
0x0566				
0x0567				
0x0568				
0x0569	IEEE 754	BOTTOM Thermistor MID voltage raw		
0x056A				
0x056B				
0x056C				
0x056D	IEEE 754	BOTTOM Thermistor HIGH voltage raw		
0x056E				
0x056F				
0x0570				
0x0571	IEEE 754	BOTTOM Thermopile LOW reference		
0x0572				
0x0573				
0x0574				
0x0575	IEEE 754	BOTTOM Thermopile		

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Board	RearSensor		HMI	
0x0576	IEEE 754	MID reference		
0x0577				
0x0578	IEEE 754	BOTTOM Thermopile HIGH reference		
0x0579				
0x057A				
0x057B				
0x057C	IEEE 754	BOTTOM Thermopile LOW voltage raw TP		
0x057D				
0x057E				
0x057F				
0x0580	IEEE 754	BOTTOM Thermopile MID voltage raw TP		
0x0581				
0x0582				
0x0583				
0x0584	IEEE 754	BOTTOM Thermopile HIGH voltage raw TP		
0x0585				
0x0586				
0x0587				
0x0588	IEEE 754	BOTTOM Thermopile LOW voltage raw TH		
0x0589				
0x058A				
0x058B				
0x058C	IEEE 754	BOTTOM Thermopile MID voltage raw TH		
0x058D				
0x058E				
0x058F				
0x0590	IEEE 754	BOTTOM Thermopile HIGH voltage raw TH		
0x0591				
0x0592				
0x0593				
0x0594				
0x0595				
0x0596				
0x0597				
0x0598				
0x0599				