M5Stack Module-FAN I2C Protocol															V1 (FW Version) 2024/11/28							
REG MAP (Addr: 0x18) 0			1			2	3	4	5	6	7	8	9	Α	В		С	D	F	_	F	2024/11/26 note
Fan control	0x00 R/W	Control status	·							J	<u> </u>	, ,									<u> </u>	Control status: Fan working state 0: disable 1: enabel default: 1
PWM frequency	0x10 R/W	Frequency																				Frequency: PWM frequency 0: 1KHz 1: 12KHz 2: 24KHz 3: 48KHz default: 2
PWM duty cycle	0x20 R/W	Duty cycle	luty cycle												Duty cycle: Duty cycle value: 0~100 default: 0							
Fan RPM	0x30 R	Speed-L	Speed-H											Speed: Fan speed per minute value: 0~(11500±10%)								
Fan signal frequency	0x40 R	Frequency-L	-L Frequency-H											Frequency: Fan output pin frequency								
Flash write back	0xF0W	Write back	k k												write 1, write back							
Firmware Version	0xF0 R																		Versi	on		Version: Software version number
I2C Address	0xF0 R/W																			Ad	ldress	Address: I2C device address value: 0x08~0x77 default: 0x18
Register Description 1. Fan Control: Configu 2. PWM Frequency: Config. 3. PWM Duty Cycle: Conf. 4. Fan RPM: Reads the f. Formula: Fan RPM = 66 Note: Fan RPM indicates Fan signal frequency Pulse count repre. 5. Fan Signal Frequency 6. Flash Write Back: Wr. Configuration conten Fan control PWM frequency PWM duty cycle 7. IZC Address: Sets the Notes 1. When writing to Flasl 2. To extend the Flash: 3. If the value to be way cycles and further extending.	gures igures an's re 0 × (I the nu ncy is sents it include the IZC at the III	the frequency the duty cycl totational spec Fan signal from the signal from the signal from the signal from the number of sthe signal from the number of sthe signal from the	of the Pile of the bed (RPM, in payment) / tions the requency in pulses go requency go req	WM sig PWM s i.e., Pulse fan m from t enerat of th aves t etting irst b tes.	gnal osignal rotate coun makes the fated by ne fanthe co	utput, outputions per min output the far output onfigurates effect where the control of the cont	with at, which which which cannot be minute. In the pine and per the pine at ion at ion at ion and the cannot be made the cannot be made the cannot be at immediate the cannot be at i	the detch is uute). full iinforma	fault vaused to rotation ation to	alue s adjus n (2 p o inte is sav 20ms.	oulses	Can special control of the control o	ation i	Flas	h, per	sisti						unnecessary Flash erase