

VIM3 MCU Registers					
Address	Register name	Byte	R/W	Default Value	Note
0x0	PASSWD_VEN	6	N		* Vendor Password
0x6	MAC	6	R	0	MAC Address
0xc	USID	6	R	0	USID
0x12	VERSION	2	R		MCU Firmware Version: start with 0xFF is testing version
0x14	DEVICE_NO	2	R		Device Number: VIM1:0x01 VIM2:0x02 VIM3:0x03 Edge:0x11 Edge-V:0x12
0x16	FACTORY_TEST	1	R	0	0: Exit Factory Test Mode, 1: Enter Factory Test Mode: SPI_FLASH
0x17	RESERVE	9	NC	0	RESERVE
0x20	BOOT_MODE	1	R/W	1	0: SPI Bootup 1: EMMC Bootup
0x21	BOOT_EN_WOL	1	R/W	0	0: Disable WOL, 1: Enable WOL Power On, 2: Enable WOL Reset
0x22	BOOT_EN_RTC	1	R/W	1	0: Disable RTC Power On, 1: Enable RTC Power On
0x23	BOOT_EN_EXP	1	R/W	1	0: Disable PA1 Power On, 1: Enable PA1 Power On, 2: Enable PA1 Reset
0x24	BOOT_EN_IR	1	R/W	1	0: Disable IR Power On, 1: Enable IR Power On
0x25	BOOT_EN_DCIN	1	R/W	1	0: Disable DCIN Power On, 1: Enable DCIN Power On
0x26	BOOT_EN_KEY	1	R/W	1	0: Disable KEY Power On, 1: Enable KEY Power On Note: If all the 5 conditions above disabled, then force enable
0x27	KEY_MODE	1	R/W	0	0: Short Press Power On, 1: Long Press 1 second to Power On
0x28	LED_MODE_ON	1	R/W	0	0: LED Off after Power On, 1: LED On after Power On, 2: LED Breath after Power On, 3: LED Heartbeat after Power On
0x29	LED_MODE_OFF	1	R/W	1	0: LED Off after Power Off, 1: LED On after Power Off, 2: LED Breath after Power Off, 3: LED Heartbeat after Power Off
0x2a	RESERVE	2	NC		RESERVE
0x2c	SHUTDOWN_NORMAL	1	R/W	0	0: Reset To Factory Mode, 1: Normal Power Off, 2: Abort Power Off Note: For MCU internal logic
0x2d	MAC_SWITCH	1	R/W	0	0: Use MAC from OPT, 1: Use MAC from MCU
0x2e	MCU_SLEEP_MODE	1	R/W	0	0: Disable MCU Sleep after Power Off, 1: Enable MCU Sleep after Power Off
0x2f	IR_CODE1	4	R/W	0	User IR Code 1 for Power KEY: e.g.: 0xF807FF00
0x33	USB_PCIE_SWITCH	1	R/W	0	0: Enable USB3.0, Disable PCIE, 1: Disable USB3.0, Enable PCIE
0x34	IR_CODE2	4	R/W	0	User IR Code 2 for Power KEY: e.g.: 0xF807FF00
0x38	RESERVE	8	NC	0	RESERVE
0x40	PASSWD_USER	6	R/W		* User Password: 0x4B 0x68 0x61 0x64 0x61 0x73
0x46	USER_DATA	58	R/W	0	User Data
0x80	PWR_OFF_CMD	1	W		1: Power Off
0x81	PASSWD_START	1	W		0: Password Write Done, 1: Password Write Start Note: Use for Password Check
0x82	CHECK_VEN_PASSWD	1	W		Check Vendor Password: 1 Byte each time
0x83	CHECK_USER_PASSWD	1	W		Check User Password: 1 Byte each time
0x84	RESERVE	2	NC		RESERVE
0x86	SHUTDOWN_NORMAL_STATUS	1	R		0: Last Time Normal Power Off, 1: Last Time Abort Power Off
0x87	WOL_INIT_START	1	W		0: Ethernet Initialize Not Done, 1: Ethernet Initialize Done
0x88	CMD_FAN_STATUS_CTRL	0	W	0	0: Disable Fan, 1: Fan Speed Level 1, 2: Fan Speed Level 2, 3: Fan Speed Level 3