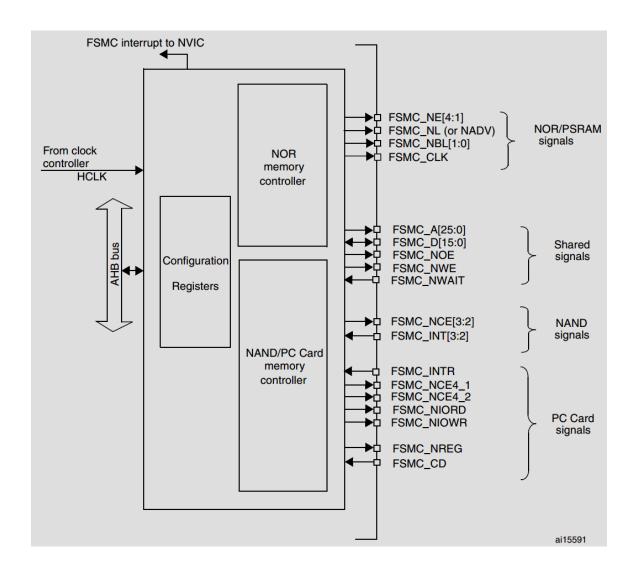


STM32 FSMC 接口和 CANOpen 模块 netX COM100 接线

一、STM32 FSMC block diagram





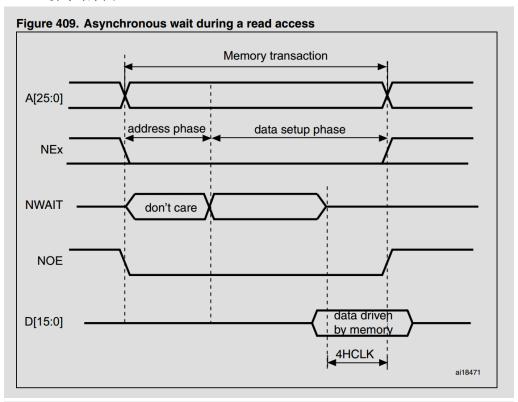
二、COMX 模块引脚说明

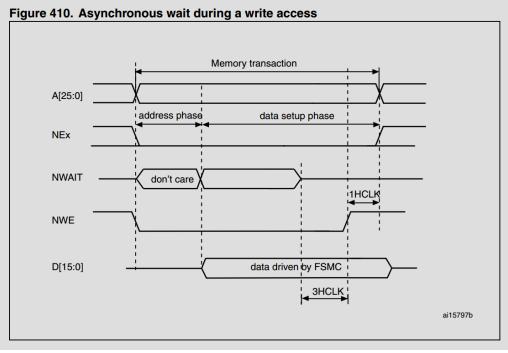
K1	Pin	Signal	COMX 10 PAD Type	COMX 50 PAD Type	COMX 100 PAD Type	Symbol	Туре
	1	Word Interface, active low	IOU6	IOU9	IO18C	DPM_SIRQn	LVTTL Input
	2	Bus high enable, active low	IOU6	IOU9	IO18C	DPM_BHEh	LVTTL Input
	3	Data line 15	IOD6	IOU9	IO18C	DPM_D15	LVTTL Input / Output
	4	Data line 14	IOD6	IOU9	IO18C	DPM_D14	LVTTL Input / Output
	5	Data line 13	IOD6	IOU9	IO18C	DPM_D13	LVTTL Input / Output
	6	Data line 12	IOD6	IOU9	IO18C	DPM_D12	LVTTL Input / Output
	7	Data line 11	IOD6	IOU9	IO18C	DPM_D11	LVTTL Input / Output
	8	Data line 10	IOD6	IOU9	IO18C	DPM_D10	LVTTL Input / Output
	9	Data line 9	IOD6	IOU9	IO18C	DPM_D9	LVTTL Input / Output
	10	Data line 8	IOD6	IOU9	IO18C	DPM_D8	LVTTL Input / Output
	11	Ground				GND	
	12	Power Supply				+3V3	
	13	Transmit Data, Serial line	IOUS6	IODS6	IOD6	UART1_TXD	LVTTL Output
	14	Receive Data, Serial line	IOUS6	IODS6	IOD6	UART1_RXD	LVTTL Input
	15	Request to Send, Serial line & SYNC0	IOUS6	IODS6	IOD6	UART1_RTSn / SYNC0	LVTTL Output / SYNC Input / Output Signal XC3_IO0 (Note 1, 2)
	16	Clear to Send, Serial line & SYNC1	IOUS6	IODS6	IOD6	UART1_CTSn / SYNC1	LVTTL Input / SYNC Input / Output Signal XC3_IO1 (Note 1, 2)
	17	USB positive, Diagnostic line	USB	USB	USB	USB+	USB
	18	USB negative, Diagnostic line	USB	USB	USB	USB-	USB
	19	Receive Data, Diagnostic line	IOUS6	IODS6	IOD6	UARTO_RXD	LVTTL Input
	20	Transmit Data, Diagnostic line	IOUS6	IODS6	IOD6	UARTO_TXD	LVTTL Output
	21	Reset, active low	IUS	IUS	IO18C	DPM_RESETn	LVTTL Input; 10 kΩ pull up at COMX
	22	Busy, active low	IOU6	IOU9	IO18C	DPM_BUSYn	LVTTL Output
	23	During operation: Interrupt, active low COMX 10 at start-up: Host mode selection	IOU6	IOU9	IO18C	DPM_DIRQn	During operation: LVTTL Output At start-up: LVTTL Input
	24	Read, active low	IOU6	IOU9	IO18C	DPM_RDn	LVTTL Input
	25	Write, active low	IOU6	IOU9	IO18C	DPM WRn	LVTTL Input
	26	Chip select, active low	IOU6	IOU9	IO18C	DPM CSn	LVTTL Input



三、两者时序图

1) STM32 读写时序图

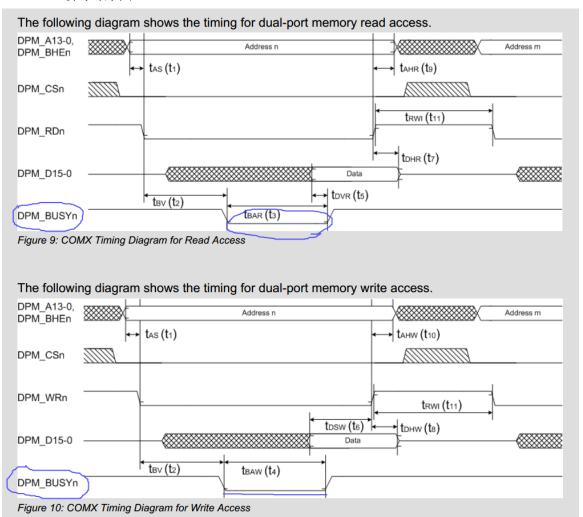






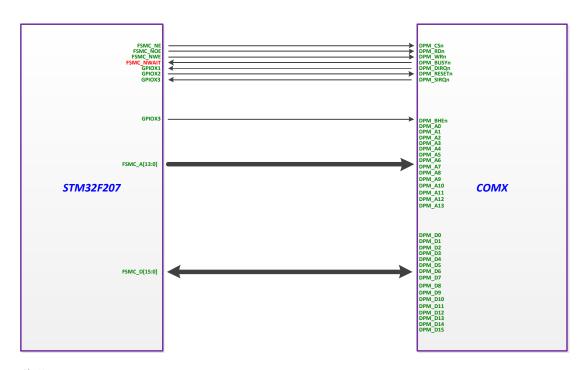
VINJIL宁

2) COMX 读写时序图





四、两者接线图



说明:

- 1) STM32 FSMC 中的 WAIT 信号是否能满足 COMX BUSYn 的信号要求?
- 2) COMX 模块介绍他使用的接口是同步 DPM,但是引脚为什么没有提供 CLK 信号?