

Base	Top	Attr.	Description	Notes
0x0000_0000	0x0000_0FFF	RWX A	Debug	Debug Address Space
0x0000_1000	0x0000_1FFF	R XC	Mode Select	On-Chip Non Volatile Memory
0x0000_2000	0x0000_2FFF		Reserved	
0x0000_3000	0x0000_3FFF	RWX A	Error Device	
0x0000_4000	0x0000_FFFF		Reserved	
0x0001_0000	0x0001_1FFF	R XC	Mask ROM (8 KiB)	
0x0001_2000	0x0001_FFFF		Reserved	
0x0002_0000	0x0002_1FFF	R XC	OTP Memory Region	
0x0002_2000	0x001F_FFFF		Reserved	
0x0200_0000	0x0200_FFFF	RW A	CLINT	On-Chip Peripherals
0x0201_0000	0x07FF_FFFF		Reserved	
0x0800_0000	0x0800_1FFF	RWX A	E31 ITIM (8 KiB)	
0x0800_2000	0x0BFF_FFFF		Reserved	
0x0C00_0000	0x0FFF_FFFF	RW A	PLIC	
0x1000_0000	0x1000_0FFF	RW A	AON	
0x1000_1000	0x1000_7FFF		Reserved	
0x1000_8000	0x1000_8FFF	RW A	PRCI	
0x1000_9000	0x1000_FFFF		Reserved	
0x1001_0000	0x1001_0FFF	RW A	OTP Control	
0x1001_1000	0x1001_1FFF		Reserved	
0x1001_2000	0x1001_2FFF	RW A	GPIO	
0x1001_3000	0x1001_3FFF	RW A	UART 0	
0x1001_4000	0x1001_4FFF	RW A	QSPI 0	
0x1001_5000	0x1001_5FFF	RW A	PWM 0	
0x1001_6000	0x1001_6FFF	RW A	I2C 0	
0x1001_7000	0x1002_2FFF		Reserved	
0x1002_3000	0x1002_3FFF	RW A	UART 1	
0x1002_4000	0x1002_4FFF	RW A	SPI 1	
0x1002_5000	0x1002_5FFF	RW A	PWM 1	
0x1002_6000	0x1003_3FFF		Reserved	
0x1003_4000	0x1003_4FFF	RW A	SPI 2	
0x1003_5000	0x1003_5FFF	RW A	PWM 2	
0x1003_6000	0x1FFF_FFFF		Reserved	
0x2000_0000	0x3FFF_FFFF	R XC	QSPI 0 Flash (512 MiB)	Off-Chip Non-Volatile Memory
0x4000_0000	0x7FFF_FFFF		Reserved	On-Chip Volatile Memory
0x8000_0000	0x8000_3FFF	RWX A	E31 DTIM (16 KiB)	
0x8000_4000	0xFFFF_FFFF		Reserved	

Table 4: FE310-G002 Memory Map. Memory Attributes: **R** - Read, **W** - Write, **X** - Execute, **C** - Cacheable, **A** - Atomics