

Maverick 220 LTE-M/NB-IOT Module

Standard	3GPP Release 13, HD-FDD & TDD LTE-M, NB-IoT Cortex R4, 2MB SRAM
Memory	256Mb flash
Frequency bands	LTE-M: 902~928 MHz FDD, B106, B26, B111 (TBC) NB-IoT: B103, SpaceData 900MHz (TBC)
Channel bandwidth	LTE-M: 1.4MHz NB-IoT: 200KHz
Modulation	LTE-M: QPSK/16QAM NB-IoT: BPSK/QPSK
Transmit power	LTE-M: +28 dBm NB-IoT: +30 dBm
Sensitivity	LTE-M: <-104dBm NB-IoT: <-120dBm
Interfaces	Standard SIM interface, supports 3.0V/1.8V, supports hot-swapping function USB 2.0 (High-Speed) Hardware reset interface UART serial interface PCM & I2C interface Power interface Network status indication interface GPIO interface ADC GPIO SPI SDIO
OS	RTOS
Satellite positioning	GPS
Power supply	Working voltage: 3.5 – 4.1 V, typical voltage: 3.8 V
Power consumption	PSM mode power < 5μA Dormant mode current < 1mA
Physical and environmental	Dimensions: 26.5mm*26.5mm*2.3mm Weight: 1.2 g ± 0.2 g Normal operating temperature: -30°C to +85°C Storage temperature: -40 °C – +90 °C
FOTA support	Yes