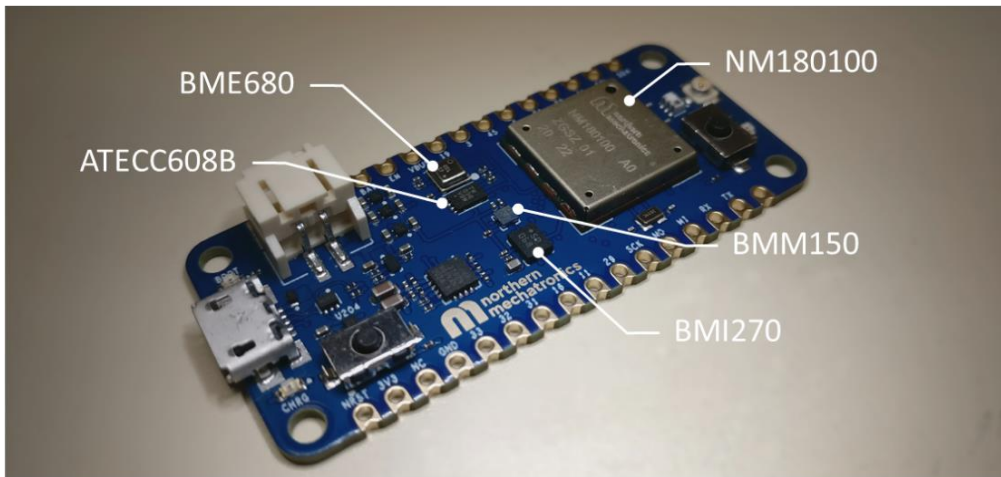


NM180310 Feather



Key Specifications

Component	Parameter	Value
NM180100	LoRa	Semtech SX1262 Tx: 21.6dBm, Rx: -147.6dBm
	BLE	BLE5 Tx: 2dBm, Rx: -95dBm
	Architecture	Arm® Cortex® M4 with FPU 48MHz nominal, 96MHz burst
	Memory	1 MB on-chip flash with external flash support 384 kB SRAM
	Features	On-chip multi-boot over UART (default), I2C, and SPI BLE OTA LoRaWAN OTA
Sensors	Bosch BME680	Gas sensor measuring: <ul style="list-style-type: none"> humidity barometric pressure ambient temperature volatile organic compound gases Suitable for air quality monitoring in homes, public transports, public facilities, and commercial buildings.
	Bosch BMI270	6-axis inertial measurement unit with accelerometer and gyroscope: <ul style="list-style-type: none"> step counting gesture context and activity recognition
	Bosch BMM150	3-axis magnetometer
	BSEC and BSX	Bosch Sensortec Environmental Cluster and BSX sensor fusion software library for enhanced environmental context awareness.
Security	ATECC608B	Cryptographic co-processor with secure hardware-based key storage <ul style="list-style-type: none"> up to 16 keys, certificates or data FIPS SP800-56A elliptic curve Diffie-Hellman (ECDH) NIST P256 elliptic curve (ECC)