

Product Brief

Type 1SC-DM Modem

Integrated cellular modem

Ultra-small, long life, dual mode modem

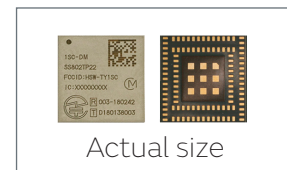
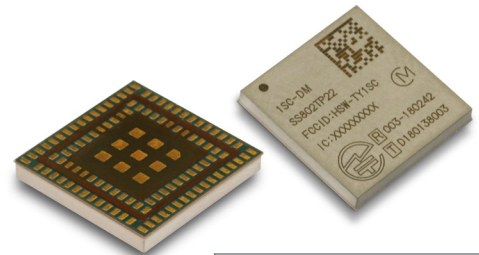
Modem features low and mid bands, low current consumption (eDRX and PSM), and battery life of 10+ years. Ideally suited for small, battery operated IoT devices and applications.

Features

- LTE Cat M1 - 23 dBm
- NB-IoT (NB1) Rel. 13 (Rel. 14 – SW Upgrade)
- Package: LGA
- External antenna configurations
- 3GPP eDRX and PSM modes
- Low power consumption enables up to 10 years of battery life
 - Hibernation current: 3uA
 - eDRX current: <45uA @ 8 hyperframes
 - PSM current: dormant window configurable
- OTA firmware upgrade
- Global Carrier Certifications: GCF and PTCRB

Benefits

- Smallest/highly integrated LTE Cat M1/NB1 modem available in the market
- ~21% less square area than nearest competitor
- iUICC included for select MNO profiles
- Multi-band (low and mid-band) support that covers most of the globe
- Provides options within a single modem that allows end customers the flexibility of switching between modes globally, especially for those carriers planning to support both modes



Product Name	LBAD0XX1SC-DM
Connectivity	3GPP Release 13/optimized for LTE Class 3 output power (+23dBm)
Universal LTE (LB & MB)	Low-band: B5/B8/B12/B13/B14/B17/B18/B19/B20/B26/B28 Mid-band B1/B2/B3/B4/B25
GNSS	GPS and Glonass
Voltage Input	3.3V
Antenna	Off board multi-band antenna
Dimensions	11.1 x 11.4 x 1.5 mm (max.)
Operating Temperature	-40°C to 85°C