

# Template:FMC640 Basic characteristics

## Cellular:

- LTE Cat 1, UMTS, GSM technologies
- 2G bands:
  - EG91-EX: GSM: B3/B8
  - EG91-AUX: GSM: B2/B3/B5/B8
- 3G bands:
  - EG91-EX: WCDMA: B1/B8
  - EG91-AUX: WCDMA: B1/B2/B5/B8
- 4G bands:
  - EG91-EX: LTE FDD: B1/B3/B7/B8/B20/B28
  - EG91-AUX: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66
- Data transfer:
  - LTE: LTE FDD: Max 10Mbps (DL)/Max 5Mbps (UL)
  - UMTS: WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL)
  - GSM: GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
- SMS (text, data)

## GNSS features:

- Tracking: 33/ 99 acquisition channels
- -165 dBm sensitivity
- Hot start <1s
- Warm Start < 25s
- Cold start < 35s
- NMEA-183 protocol
- GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
- Accuracy < 3m