Telit IoT Smart Modules

Transforming the IoT Device User Experience

Discover Smart Modules
that Leverage Android™ to
Elevate the User Experience
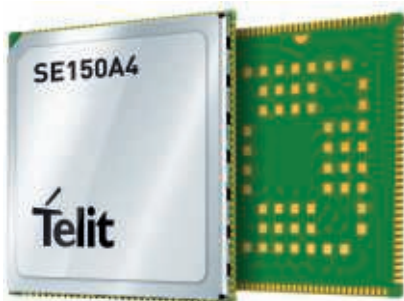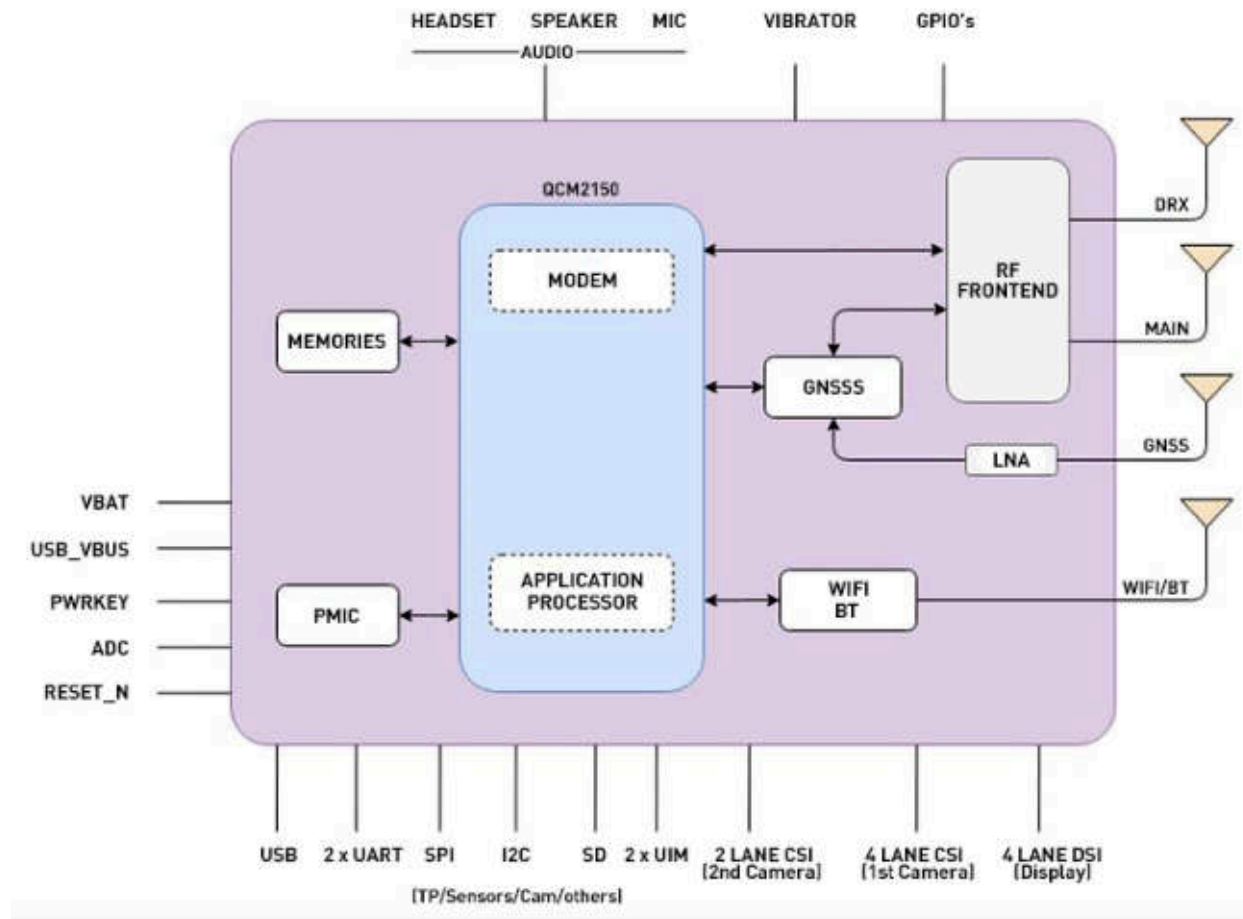
Telit

Enable an Elevated User Experience for Your Next-Generation IoT Devices

The SE150A4 series of IoT 4G LTE smart modules empowers manufacturers to create and design IoT devices with consumer multimedia capabilities. Telit smart modules offer advanced edge computing and graphical processing, as well as peripheral management.

SE150A4-NA

- North America
- AT&T, Verizon, T-Mobile U.S.
- LTE-FDD: Bands 2, 4, 5, 7, 12, 13, 14 (FirstNet), 17, 25, 26, 66 and 71 (T-Mobile U.S.)
- LTE-TDD: Band 41
- WCDMA: Bands 2, 4, 5

SE150A4-EU

- EU and other regions
- 2G and 3G fallback
- LTE-FDD: Bands 1, 3, 5, 7, 8, 20, 28
- LTE-TDD: Bands 38, 40, 41
- WCDMA: Bands 1, 5, 8
- GSM/GPRS/Edge: Bands 3, 8

SE150A4

Telit

Connect, Manage and Secure
Your IoT Deployment

telit.com/smart-modules

Innovation Enablement with Telit IoT Smart Modules

Reliable Wireless Connectivity

- LTE Cat 4, multi-mode 4G/3G/2G cellular radio for WAN coverage
- FDD: 150 Mbps DL/50 Mbps UL
- TDD: 100 Mbps DL/35 Mbps UL
- Wi-Fi (802.11a/b/g/n) and Bluetooth Low Energy (BLE) 4.1 and earlier
- GNSS (GPS, BeiDou, GLONASS, Galileo)

Native Support for Integrated Peripherals

- High-resolution touch displays and advanced cameras
- Sensors and audio interfaces
- SDIO 3.0, USB 2.0, UART, SPI and I2C interfaces
- 1.44 A linear battery charger for single-cell lithium-ion batteries
- Vibration motor driver output control

Rich Multimedia Experience

- Android 10 support for easy application development
- Supports up to 13 MP camera
- Supports 1080p video recording and playback at 30 FPS
- Four-lane display support, 1.5 Gbps each, HD+ (1440 x 720), 60 FPS
- Three analog audio inputs and three audio outputs (earpiece, headphones, mono Class-D speaker driver)
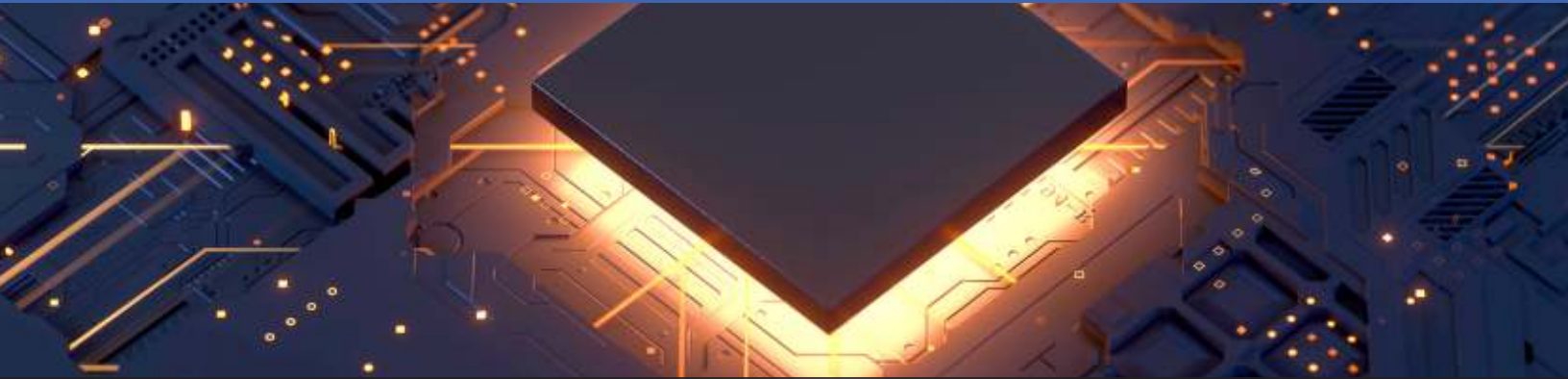
Maximum Application and System Performance

- Snapdragon® QCM2150 quad-core ARM® Cortex®-A53 64-bit processor up to 1.3 GHz
- Built-in Adreno™ 308 GPU up to 485 MHz
- 1 GB RAM, 8 GB Flash
- Two Qualcomm® Hexagon™ QDSP6 v56 @ 691 MHz
- 40.5 x 40.5 x 2.8 mm LCC + LGA form factor

Telit SE150A4 IoT Smart Module Development Kit

Develop consumer-style IoT devices for advanced user experience and get them to market fast. The SE150A4 IoT smart module development kit provides the computing and edge processing power you need for your IoT application.

This development kit offers:

- LCD and touch screens
- Proximity and ambient light sensors
- Front and rear cameras
- Accelerometer
- Audio, USB and SD card interfaces
- Two SIM card holders
- Power, Reset and Volume buttons
- Battery charger

IoT Smart Module Applications

Retail
- Mobile point-of-sale (mPOS)
- Smart cash registers
- Smart vending machines

Public Safety
- Ruggedized tablets and laptops
- Handhelds
- Dash and body cameras

Security
- Smart alarm panels
- Security surveillance cameras
- Home automation security systems

Retail
- Telematics cameras
- Digital video recorders
- In-car video streaming and entertainment systems positioning receivers

Elevate the User Experience with Telit IoT Smart Modules

Request a Smart Module Development Kit