telink_kite_ble_multi_connection_sdk_v1.1.1

⚬ [5d3257bf](#) · change m16s3 project to m24s3 project. and update relevant lib. m12s2 lib just for saving ram. · 1 hour ago

Features

- Add project supporting 24 master role and 3 slave role simultaneously without low power manage
- Add three libraries: liblt_8258_m24s3.a,liblt_8258_m16s3.a and liblt_8258_m12s2.a. The latter two lib
- Demo illustration
  - 8258_m1s1
  - 8258_m4s3
  - 8258_m24s3
  - 8258_multi_conn_feature_test

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telink_kite_ble_multi_connection_sdk_v1.1.0_patch_0001

⚬ [c0417c32](#) · telink_kite_ble_multi_connection_sdk_v1.1.0_patch_0001 · 1 month ago

Bug Fixes

- Fixed the risk of overwriting variables when using DLE function.
- Fixed operation abnormal when received connect request(CONNECT_IND PDU) containing invalid p
- Fixed when Rx FIFO setting is greater than 64Bytes, there may be a risk that other variables are over
- Fixed other IRQ source can disrupt the normal operation of BLE IRQ.
- Fixed MTU parameters need to be reset after disconnection.

Features

- Added random delay in advertising interval.
- Added callback for Handle Value Confirmation event---GAP_EVT_GATT_HANDLE_VLAUE_CONFIRM.
- Added watchdog initialization.

Performance Improvements

- Optimized scan timing.
- Optimized slave terminate ack immediately.
- Optimized the stability of long-time connection with some mobile phones.

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telink_kite_ble_multi_connection_sdk_beta_v1.1.0

⚬ [978ca928](#) · [update lib] to · 4 months ago

Bug Fixes

- Fixed when power off/power on the peer device, sometimes the reconnection will be fail.
- Fixed when main loop cost long time, channel map/connection parameter/phy update will be fail.
- Fixed when connection interval is too large(>=160ms), device is easy to disconnect.
- Fixed when connect with some cellphones, device will crash.

Features

- Added additional GATT API for SDP and related test features.
- Added automatically recognize flash size.
- Added low voltage protection function for M1S1 cases to accommodate battery-powered applicatic
- Added M2S2 lib to allow less RAM usage compared to generic M4S3 use cases.
- Demo illustration:
  - M4S3 demo: 8258_m4s3.
  - M1S1 demo: 8258_m1s1.
  - Feature demo: 8258_multi_conn_feature_test.

Performance Improvements

- Optimized timing and make better use of the bandwidth.
- Modified cstartup.s and boot.link file to make better use of ram space.
- Organized some code to make it more hierarchical.

Note

- 1 master/1 slave low power is based on suspend mode, The average power depends on the master

telink_kite_ble_multi_connection_sdk_beta_v1.0.0

⊶ [e6400c6f](#) · add file of multi_connection code · 6 months ago

Features

- Support connect slave(maximum 4) and master(maximum 3) simultaneously without low power mar
- Support connect one slave and one master simultaneously with low power manage
- Support 2M PHY and Channel Selection Algorithm(CSA #2) of BLE5.0 features
- Demo illustration
  - 8258_m1s1
  - 8258_m4s3
  - 8258_multi_conn_feature_test