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Bluetooth SDK v2.0.4.X

- For Toshiba Bluetooth LSI Family



Toshiba Electronics Europe GmbH

• Feb 2016

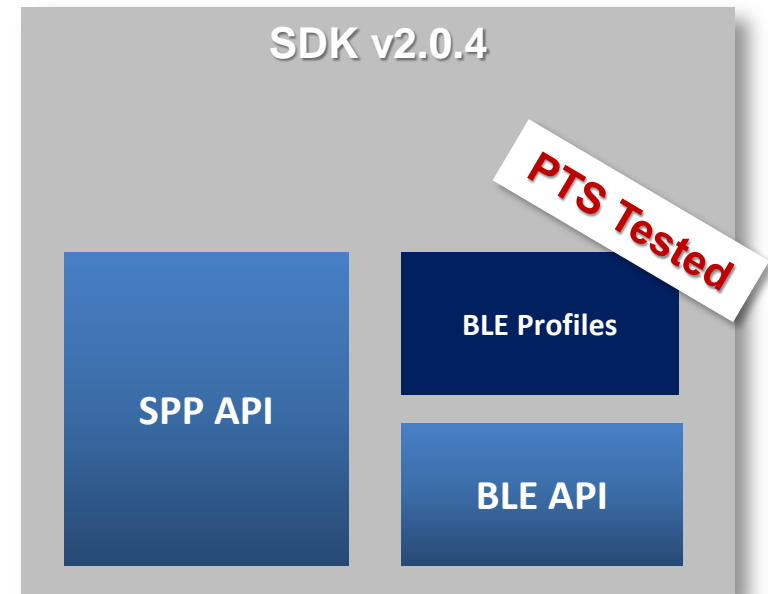
Main Features at a Glance

Chipsets / Platforms		Software API		BLE Profiles	
Chipsets		BLE		GATT Server	
	TC35661-501 / -502 (SPP + BLE)		GATT Client		HRP - Heart Rate profile
	TC35667-006 (BLE standalone)		GATT Server		BPP - Blood Pressure profile
	TC35670-006 (BLE + NFC)		GAP Peripheral		FMP - Find-Me profile
			LE Manager		HTP - Health Thermometer profile
			BLE Security management (SMP)		HoGP - HID over GATT profile
			Automatic BLE Key-handling		PXP – Proximity profile
					SPPoverBLE – Serial Communication.
					Beacon profile
Platforms		SPP		GATT Client	
	BMSKTOPAS369BT Starter Kit (PAN1026)		Initiator role		ANP – Alert Notification Profile
	BMSKTOPAS369BLE Starter Kit (PAN1760)		Acceptor role		
	BMSKTOPAS369BT1761 Starter Kit (PAN1761)		BT Classic Manager		
	Module ² (MCU+PAN1026)		BT Classic Security (incl. Secure Simple Pairing)		
	BLESADevBoard667BT (TC35667 stand alone)		Automatic BT Classic Key-handling		

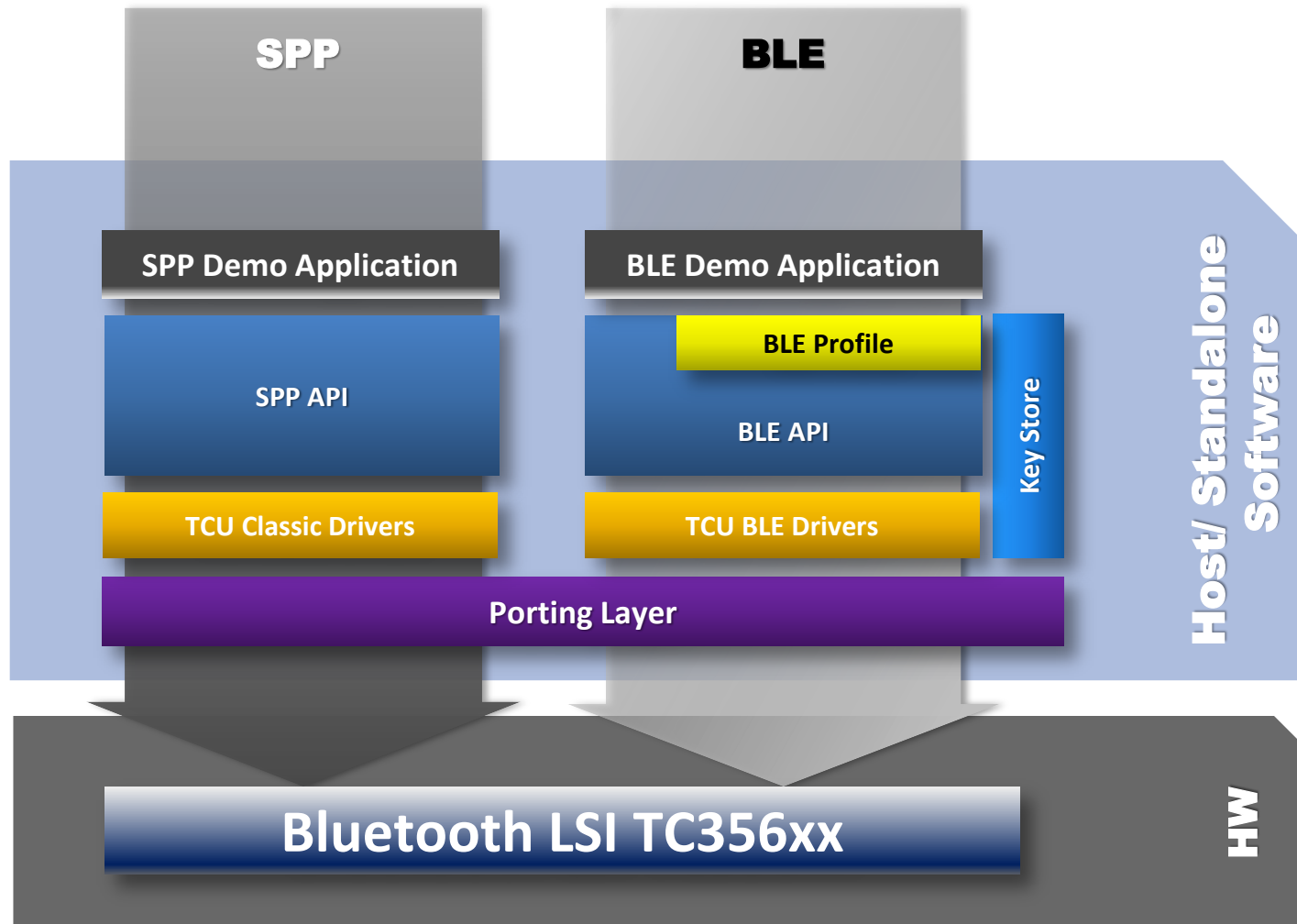
New Features

- **NEW Features:**

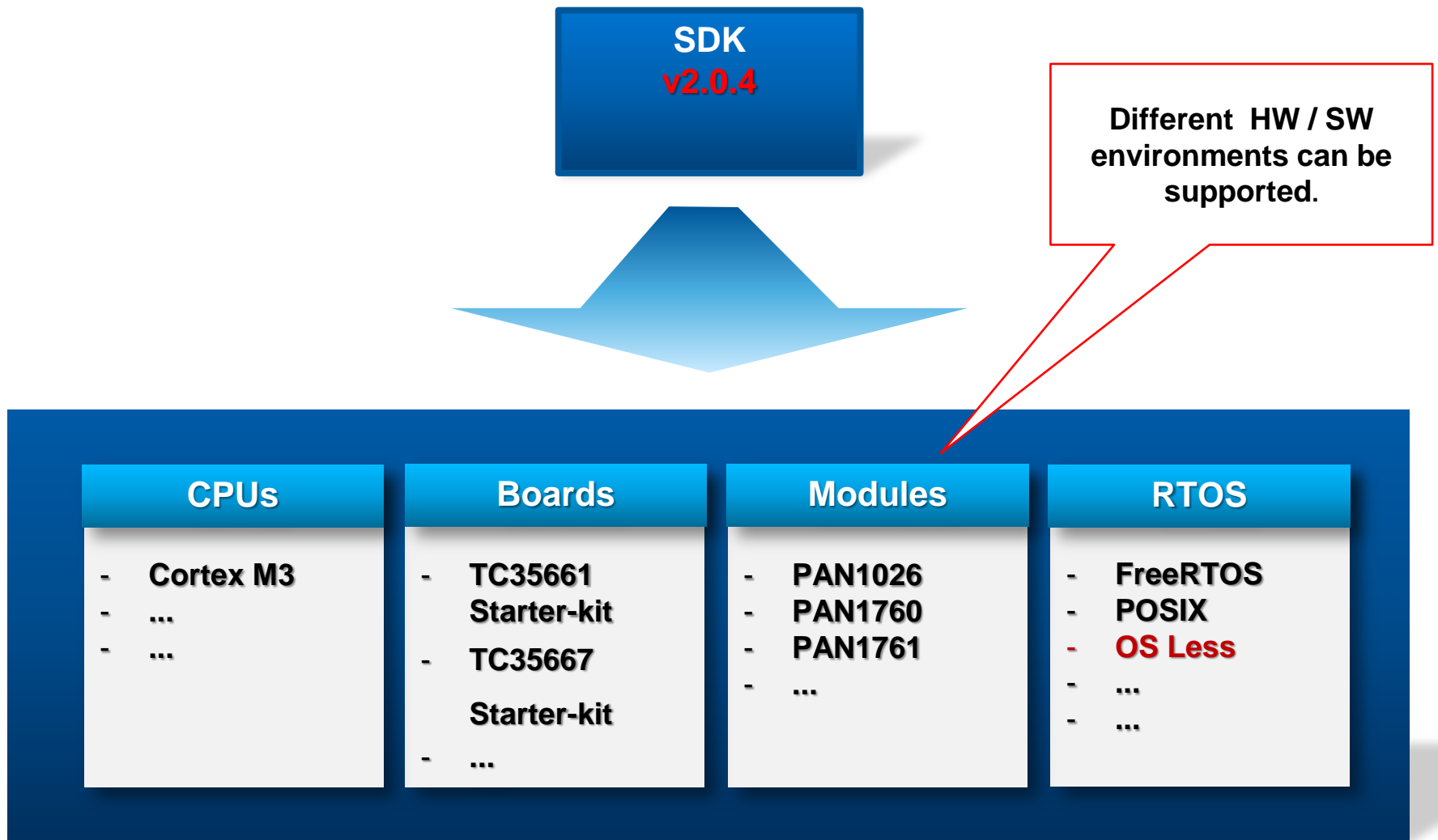
- + Support for new chipsets: **TC35667-006** & **TC35661-502**
- + Support for new boards: **TMPM369** & **BLE+NFC** Starter Kit (TMPM369BLE+NFC)
- + **GATT Client** handling
- + **Random BD_ADDR** handling.
- + **Tx-power** adjustment (depending on chipset)
- + **Persistent GATT Descriptors** supported
- + New Profiles
 - + Alert Notification (Client side)
 - + HID over GATT (Server side)
 - + Scan Parameters (Server side)
- + GAP Central (Version 2.0.4.2 or later)



Dual Mode SDK

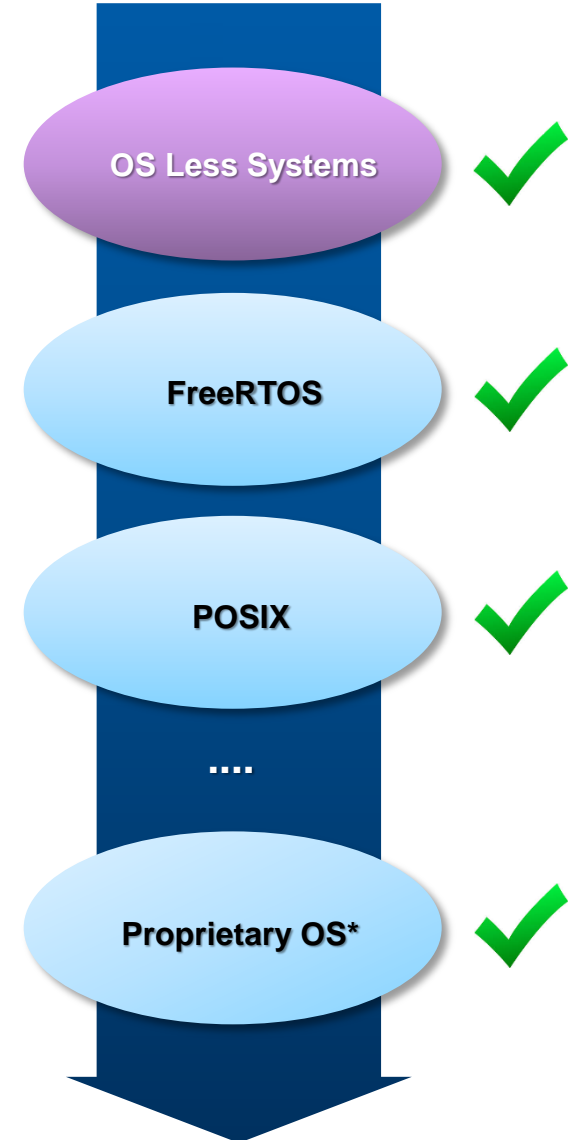


Platform Independence



RTOS Independence

- Doesn't require an OS.
- But can run under almost any current RTOS.



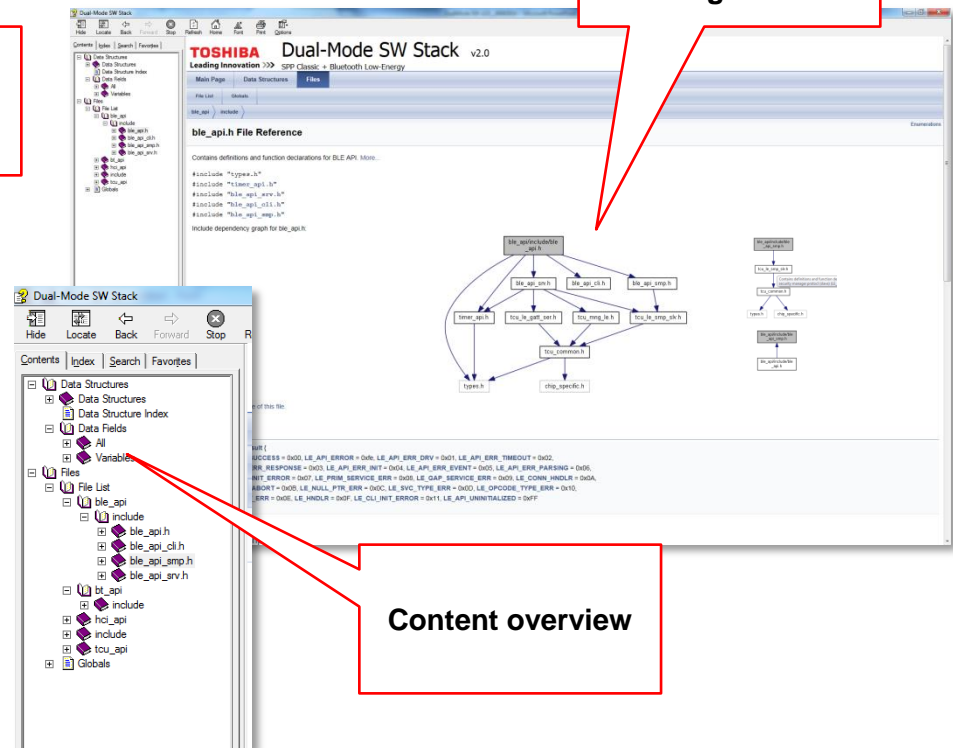
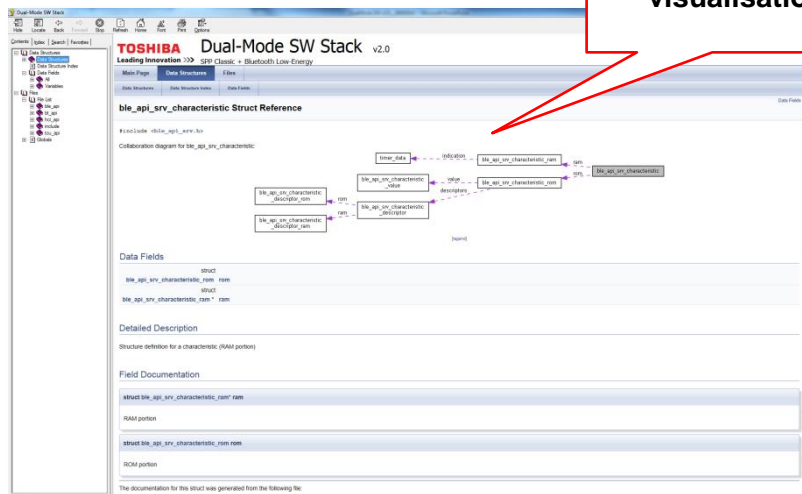
* RTOS Must posses some kind of message passing mechanism.

Comprehensive API Help

- Available in a Compiled HTML files
- Easy browsing and information search
- Dependency & collaboration diagrams

API Structures
visualisation

Interactive
dependency
diagrams



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