

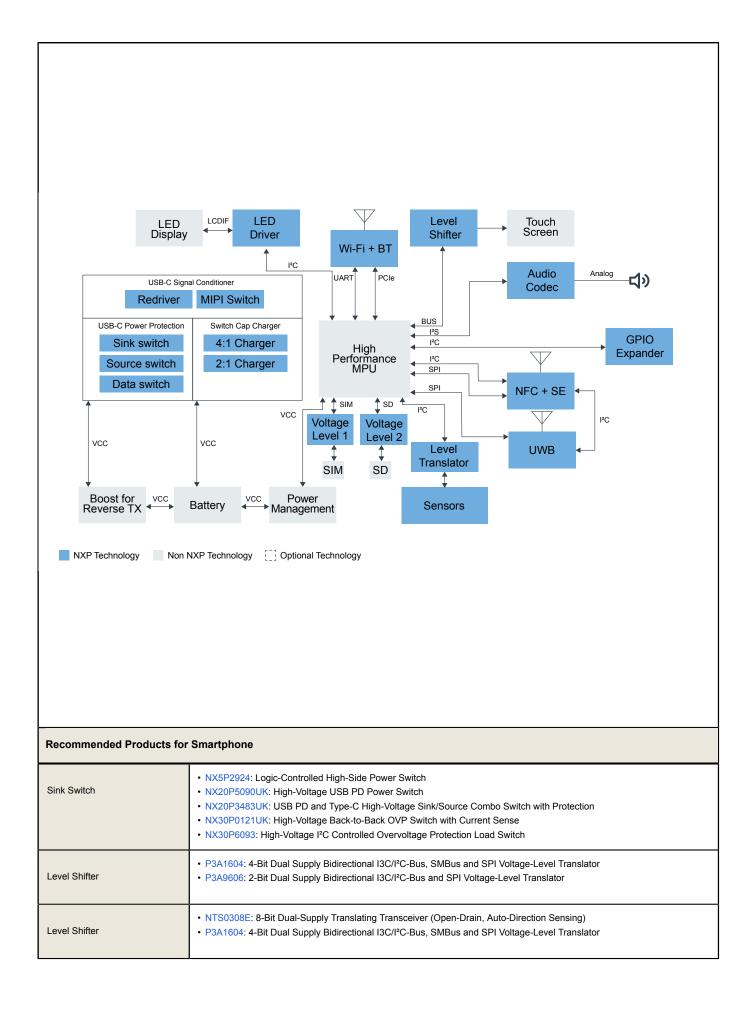


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NXP innovations bring a variety of future capabilities and applications to mobile devices as they become the smarthub of daily digital life. NXP portfolio offers secure mobile wallet solutions, eSIM connectivity and UWB enablement for mobile devices.

Delivering data rates up to 10 Gbit/s and up to 100W of power, USB Type-C offers a connector that's tailored for emerging product designs—offering rich interface capabilities with "Alternate Mode" support. It also enables fully reversible plug orientation and cable direction, making USB Type-C far more convenient for consumers and helping deliver a true Plug-and-Play experience.

Smartphone Block Diagram



Voltage Level 1	NVT4557: SIM Card Interface Level Translator with EMI Filter and ESD Protection
Voltage Level 2	NVT4858: SD, SDIO, Mini SD, Micro SD and SIM Card Voltage Level Translator with EMI Filter and ESD Protection
USB C Signal	NX3DV642GU: Three-Lane High-Speed MIPI-Compatible Switch
Wireless	 88W8997: 2.4/5 GHz Dual-Band 2x2 Wi-Fi[®] 5 (802.11ac) + Bluetooth[®] 5.3 Solution WLAN7202C: 5 GHz-7 GHz Wi-Fi[®] 6E Front-End IC WLAN7205C: 5 GHz-7 GHz Wi-Fi[®] 6E Front-End IC WLAN7207H: 2.4 GHz Wi-Fi[®] 6 Front-End IC WLAN7207C: 5 GHz-7 GHz Wi-Fi[®] 6E Front-End IC
LED Driver	PCA9632: 4-Bit Fm+ I ² C-Bus Low-Power LED Driver
RTC	 FXLS8974CF: ±2g/±4g/±8g/±16g, Low-Power 12-Bit Digital IoT Accelerometer MPL3115A2: Absolute Digital Pressure Sensor (20 to 110 kPa)
Audio Codec	SGTL5000: Ultra-Low-Power Audio Codec
GPIO Expander	PCAL6408A: Low-Voltage Translating, 8-Bit I ² C-Bus/SMBus I/O Expander
Level Translator	 PCA9306: Dual Bidirectional I²C-Bus and SMBus Voltage-Level Translator P3A9606: 2-Bit Dual Supply Bidirectional I3C/I²C-Bus and SPI Voltage-Level Translator
UWB	• SR150: Trimension [™] SR150: Secure UWB Solution for IoT Devices
USB C Signal	NX3DV642GU: Three-Lane High-Speed MIPI-Compatible Switch
4:1 charger	PCA9485UK: 13 A 4:1 Switched Capacitor Charger for Single Cell Battery
Source Switch	NX5P3090UK: USB PD and Type-C Current-Limited Power Switch NX5P3290UK: USB PD and Type-C Current-Limited Power Switch NX20P3483UK: USB PD and Type-C High-Voltage Sink/Source Combo Switch with Protection
Data Switch	NX20P0407: USB Type-C CC and SBU Protection IC NX20P0477: USB Type-C CC Smart Protection
2:1 Charger	 PCA9482: 7 A 2:1 Switched Capacitor Charger for Single Cell Battery PCA9481A: 10 A 2:1 Switched Capacitor Charger for Single Cell Battery
Type C charger	NX30P6093: High-Voltage I ² C Controlled Overvoltage Protection Load Switch NX20P3483UK: USB PD and Type-C High-Voltage Sink/Source Combo Switch with Protection NX30P0121UK: High-Voltage Back-to-Back OVP Switch with Current Sense

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