Thundercomm

TURBOX

W5+ Development Kit



TurboX W5+ development kit is equipped with the latest generation W5+ wearable platform of Qualcomm. The main chip adopts 4nm process technology and supports dual-core/dual-system design, allowing for seamless switching between the Android and FreeRTOS operating systems. Compared to the previous generation wearable platform, the W5+ series offers a 50% increase in battery life, twice the performance, and a 30% reduction in size.

TurboX W5+ development kit adopts a core board and expansion board design. The core board can be customized according to the actual size of the smartwatch, which shortens the development cycle of wearable products. The expansion board provides abundant interfaces for easy expansion and replacement of peripherals. Additionally, TurboX W5+ development kit provides a development software baseline, which significantly reduces application development time, and wireless charging module to match more practical smartwatch solutions.

Applications



Smart Watch



Smart Glasses

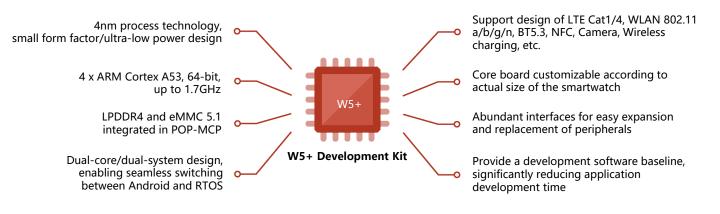


Smart Headset



Smart Tracker

Features





Specifications

Category	W5+ Development Kit
Platform	Qualcomm® SW5100: 4x ARM Cortex A53, 64-bit, up to 1.7GHz, 512KB L2 cache
	Coprocessor Qualcomm® QCC5100: ARM Cortex-M55 up to 250MHz
Operating System	Qualcomm [®] SW5100: Android R/S (TBD)/Go
	Qualcomm [®] QCC5100: FreeRTOS
Memory	2GB+32GB LPDDR4/eMMC
	32MB Flash
	8MB PSRAM
Charge	Wireless charger IC & USB
Wireless Connections	GNSS: GPS, Galileo, GLONASS, and Beidou
	LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B20/B25/B26/B28A/B28B/B38/B39/B40/B41
	WCDMA: B1/B2/B4/B5/B8
	BT: v5.3
	WLAN: 802.11 a/b/g/n
	NFC
SIM Card	eSIM*/Nano-SIM
Display	1.78 inch, 368 x 448
Camera	2MP
Sensor	A+G Sensor, M-Sensor, Barometer
	ALS, HRM, OTS
Motor	ERM Vibrator
Audio	MIC
	Speaker
Кеу	Button x 4
Battery*	-
Office erlnetderfaces	USB Type-C x 2

电话: 858.531.5328

网址: <u>www.thundercomm.com</u> 邮箱: <u>service@thundercomm.com</u>