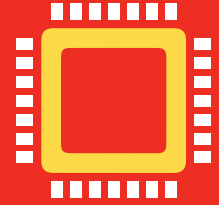INTRODUCING THE SNAPDRAGON 820

QUALCOMM KRYO CPU

Our newly designed, 64-bit custom CPU is purpose-built for mobile, doubling performance while reducing power consumption by half.*

PROCESSING	IMAGING	CONNECTIVITY	GRAPHICS	SECURITY	FAST CHARGING	DISPLAY	VIDEO	AUDIO

PERFORMANCE

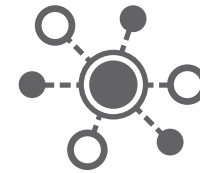### Designed for mobile, delivering up to two times the performance.*

- Custom-designed for peak single-core efficiency.
- 64-bit architecture.
- Optimized for mobile applications and devices.

2X ⚡ BATTERY LIFE (PAIRED W/ HEXAGON)

Purpose-built cores and new architecture for twice the power efficiency.*

- Manufactured on 14nm FinFET LPP process technology.
- cSMP introduces new power-saving capabilities without adding CPU cores.
- Paired with Qualcomm® Hexagon™ 680 DSP and Snapdragon Sensor Core to achieve ultra-low power and always-on efficiency.

PRECISION

Qualcomm® Symphony System Manager, where intelligence meets innovation.

- Symphony Runtime automatically balances system power/thermal utilization.
- Symphony SDK enables application developers greater control to target specific cores and power/performance levels.

THE QUALCOMM® SNAPDRAGON™ 820 PROCESSOR
IMMERSIVE AND INTELLIGENT.

Introducing the new all-in-one Snapdragon 820—the most powerful mobile processor Qualcomm Technologies has ever created. And with the Qualcomm® Kryo™ CPU as the core of our purpose-built, mobile-optimized system-on-a-chip, we're redefining efficiency and innovation. With power, performance and extremely low energy consumption, the Snapdragon 820 is built for more immersive user experiences and an all-new level of mobile intelligence.