

# QUICK CHARGE 3.0

Our next-generation fast-charging technology employs an intelligent algorithm for charging that's faster and more efficient than in previous generations.



PROCESSING

IMAGING

CONNECTIVITY

GRAPHICS

SECURITY

FAST CHARGING

DISPLAY

VIDEO

AUDIO



## SPEED

**Qualcomm® Quick Charge™ technology, spend less time charging and more time doing.**

- Charges a typical phone from zero to 80 percent in about 35 minutes.<sup>1</sup>
- Delivers power up to 4X faster than conventional charging, up to 2X faster than Quick Charge 1.0.<sup>1</sup>
- Adds a layer of intelligent technologies to provide for the fully rated battery cycle life.

## EFFICIENCY

**Intelligent algorithm optimizes power transfer, and maximizes efficiency.**

- Intelligent Negotiation for Optimum Voltage allows device to receive specific power needed.
- Automatically selects ideal voltage, between 3.6V and 20V, in 200mV increments.
- Works up to 38% more efficiently than Quick Charge 2.0.<sup>1</sup>

## INTEROPERABILITY

**In more devices and accessories than any other fast-charging solution<sup>2</sup>**

- Offers full backwards compatibility with Quick Charge 1.0 and 2.0, works with most USB chargers.
- Certified accessories are compatible across the growing Quick Charge ecosystem.
- Connector-independent, works with USB Type-A, USB micro, USB Type-C, and other connectors.



## 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. With Quick Charge 3.0 built in, you can charge devices up to 4X faster, stay mobile and do what you enjoy with reduced charging times and increased efficiency. Full compatibility and interoperability enable true universal charging, with no need for multiple cords or adapters. It's an all-new level of mobile intelligence.

<sup>1</sup>Based on internal tests charging a 2750mAh fast-charge battery (1.5C charge rate) and using the maximum power for a thermal limit of 40C for all charging implementations. Charge time based on 0% to 50% (August 2015). <sup>2</sup>Source: QTI research Qualcomm Quick Charge and Qualcomm Snapdragon are products of Qualcomm Technologies, Inc. ©2015 Qualcomm Technologies, Inc. All Rights Reserved. Qualcomm and Snapdragon are trademarks of Qualcomm Incorporated, registered in the United States and other countries. Quick Charge is a trademark of Qualcomm Incorporated.