

## **Volkswagen and Qualcomm Jointly Launched the First Vehicle Using “Xiaolong” Computer Chipset**

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Xiaolong 820A is a type of computer chip for vehicle, “Xiaolong 820”, which is widely used in Samsung Galaxy S7, HTC 10 and LG G5 and other smart phones. Volkswagen decided to use this chip as some of their own car’s configuration, which is the first time Xiaolong 820A chip is used in vehicle production models. In the past decade, the dashboard of the vehicle has integrated various types of advanced electronic components, this technology has achieved functions such as hands-free system, digital music and real-time traffic information display intelligent navigation system and other features. The reality is that this kind of hardware and equipment are getting even more advanced, and the automotive industry is very competitive during this year, also there are always new consumer electronic products launched in the market, it usually only takes a few months to come up with new products. The development between Volkswagen and Qualcomm also involves Qualcomm's LTE modulation and demodulation technology, which helps achieve real-time traffic information and the destination online search function in the navigation system. Qualcomm's technology also includes Bluetooth, wireless network, and other communications technologies. The company is developing several types of receivers to improve the communications between vehicles and vehicle-to-infrastructure communications applications, a technology that will significantly improve road safety. With this technology, traffic lights will be able to communicate with vehicles, to alert vehicles when it turns to red light, and vehicles will send out signals to other vehicles when the driver presses the brake. Volkswagen has not yet announced which model will be configured with Xiaolong 820A chipset, but they have disclosed in the company's statement that, since 2009, all the vehicles from Volkswagen will be fully configured the chipset. Qualcomm disclosed in a statement that its X16 LTE modem will be available in the second half of 2017 to the market, in order to fulfill users’ needs for conference call while driving. The device uses 4G technology, with 4G the downloading speed can reach up to 1 gigabytes / second, which can ultimately enhance the value of the smart and connected vehicles. It is worth to mention that Volkswagen and Qualcomm's cooperative project does not include the X16 modem. Yesterday, Volkswagen and Qualcomm announced that both parties will jointly begin to develop and build a smart phone chip for vehicle. The chip will be used as Volkswagen vehicle’s electronic equipment. Qualcomm will

provide Volkswagen with Xiaolong 820A processor to run the navigation system, audio and intelligent network system applications.