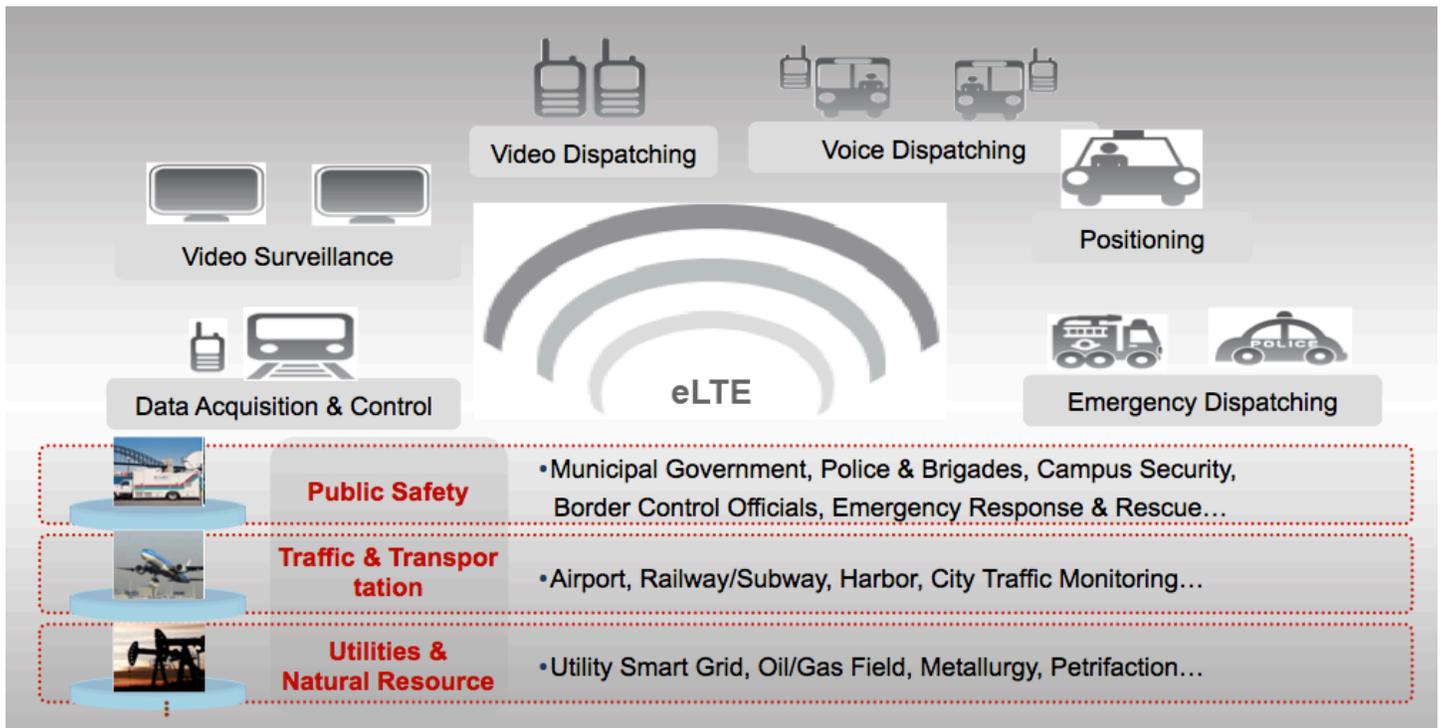


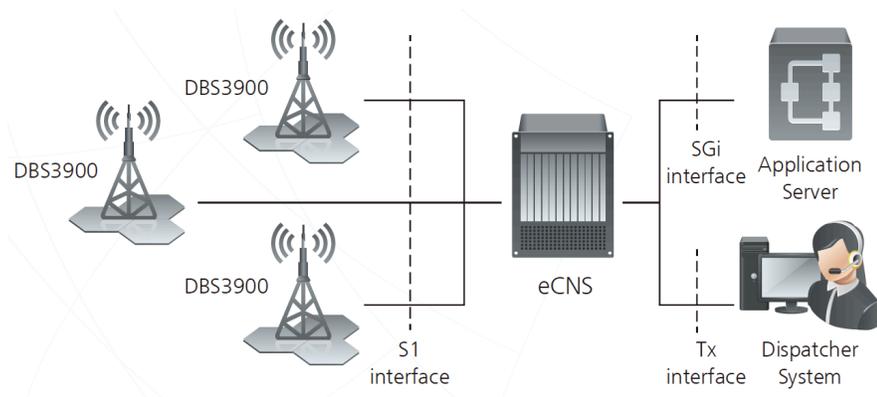


# Huawei Enterprise eLTE Solutions

Customers want more information including business and consumer applications and entertainment available through their mobile devices. This insatiable appetite for consumption of data through mobile devices is creating unprecedented demand for increased speed, bandwidth, and global access. Huawei is focused on LTE as the technological foundation for its wireless broadband network because it offers a number of significant technological and business advantages over WiMAX. Huawei customers want to be truly untethered with advanced communication devices that provide the seamless ability to downloading or uploading large files, video, gaming, downloading music, or social networking. They want to be able to communicate in new and innovative ways whenever and wherever they choose around the globe.



Professional LTE Network Supports Industry-Specific Services



## eSCN230 2U LTE EPC

The eSCN230 is a 2U LTE integrated EPC (Evolved Packet Core), which provides a compact, cost-effective solution ideally suited for medium-sized and small networks.

## eCNS600/eCNS210 Mini Core Network

The EPC (Evolved Packet Core) framework provides a host of benefits for customers seeking converged voice and data solutions. Huawei is an industry leader in EPC, offering a solution based on their advanced LTE (Long Term Evolution) EPC platform, built to meet industry requirements. The Huawei eLTE (Enterprise LTE) solution customizes the eCNS (Enterprise Core Network System) for industries. eCNS is very suitable for a dedicated enterprise network, relying on high integration, strong reliability, and comprehensive interoperability. Also, considering the diversified requirements of vertical industries, eCNS supports abundant services, such as voice, video, and data. The eCNS600 is primarily used for broadband access markets, and the eCNS210 is the preferred model for broadband trunking.

### Performance

Thanks to a rich background in LTE/EPC product development, the eCNS600/210 products support up to 40 Gbps throughput with 200,000 subscribers. These products can be deployed to meet current and future needs, such as voice, dispatching command, operational data, video, etc. In addition, the Quality of Service (QoS) mechanism in the eCNS600/210 can guarantee critical data transmission in any situation.

### Integration

Normally, the public LTE core network incorporates the MME (Mobility Management Entity), SGW (Serving Gateway), PGW (Packet Data Network Gateway), and HSS (Home Subscriber Server) network elements. The eCNS600/210 integrates all of these elements into only one subrack, allowing industries to deploy a network with minimal integration efforts, reduced risk, and faster time-to-market. Industries can avoid allocating too many valuable resource for engineering efforts and reduce operational and capital expenditures.

### Reliability

Based on an ATCA (Advanced Telecommunications Computing Architecture) hardware platform, the eCNS600/210 products are designed to operate with high reliability and are built on industry-standard 14U ATCA hardware, which supports varying degrees of redundant configurations to match industry requirements.

**Hardware:** 1+1 board backup and N+1 eCNS geography redundancy

**Software:** Overload control, fault prevention, automatic data backup, and operational security management. All these reliability mechanisms ensure an eLTE core network availability of 99.9999 percent.

## eA660 Industry Level CPE

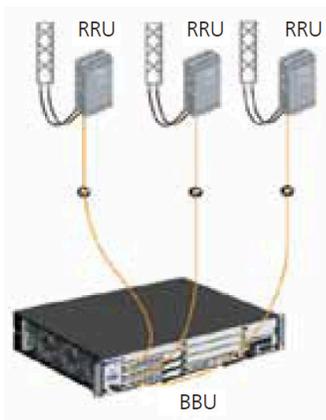
The Huawei eA660 is a LTE (Long Term Evolution) CPE (wireless Customer Premises Equipment) device for enterprise networks. The eA660 serves as a wireless gateway for high-speed data services and complies with LTE Release 8 standards. Features include a built-in antenna and an anti-lightening, shock-proof, dust-proof, and water-proof enclosure for weathering harsh environmental conditions. The eA660 offers a wide range of licensed and unlicensed mobile access frequencies such as 1.8 G/2.3 G/3.7 G/5.8 G to accommodate existing broadband resources. The remote management function of the eA660 provides for easy deployment of current and future broadband resources as well as centralized fault detection and recovery.



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## DBS3900 4G Distributed Base Station

Huawei promotes an eLTE distributed base station, DBS3900. The DBS3900 fully utilizes Huawei platform resources and a variety of technologies to meet the challenges of mobile network development. It is used for radio access in the eLTE system. In industry base stations, this product is installed in diverse scenarios those require precise BTS (Base Transceiver Station) installation capabilities. The DBS3900 has only two types of basic modules: Baseband Unit (BBU3900) and RRU (Remote Radio Unit), which can be flexibly configured to meet different usage scenario requirements. In addition, the DBS3900 features a small size, low power consumption, flexible installation, and easy site deployment.



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## TAU600 The Mobile Broadband Router for Trains

Railway and metro operators make travel by train a safe and comfortable travel experience for all passengers. With the TAU600 train-to-ground broadband router from Huawei, passengers will be able to access real-time video, PIS (Passenger Information Systems), and other broadband services instantly, inside the train. Huawei has spend many years developing Mobile Broadband (MBB) products for carriers and communications products for the railway industry. Now, Huawei offers the TAU (Train Access Unit) 600, which combines the best of both worlds. The TAU600 mobile broadband router is custom-made for the railway industry — it provides Wi-Fi service inside the passenger car during travel and broadband channels for a range of other passenger rail fleet applications, including operations data collection, train system monitoring, and remote CCTV access.





## EP680/EP680 Ex

### The World's First Broadband Trunking Handset

Traditional trunking is widely used in vertical industries for normal operation. With the fast development of MBB (Mobile Broadband), industries have an increasing need to integrate MBB with professional trunking to acquire a better operation efficiency and working experience. Based on an in-depth understanding of customers' requirements, Huawei is introducing the EP680 as professional LTE broadband trunking handset. EP680 integrates voice, data and video services into a single device. Except for voice trunking, people can communicate with each other with video, GIS services at the same time which makes for a much better collaboration between response personnel. Additionally, the incorporation of Bluetooth, Wi-Fi, and other peripheral interfaces, allow the EP680 to better scale to support more applications.



## eH811 LTE Broadband Handset

Traditional trunking is widely used in vertical industries for normal operation. With the fast development of MBB (Mobile Broadband), industries have an increasing need to integrate MBB with professional trunking to acquire a better operation efficiency and working experience. Based on an increased understanding of their requirements, Huawei promotes the eH811 with fully integrated voice, data and video services. Additionally, 4.5-inch large touch screen is flexible to use. The incorporation of Bluetooth, Wi-Fi, and other peripheral interfaces, allow the eH811 to better scale to support more applications.

## Why Huawei

Huawei has 20 years of core IP experience and offers the largest data center product portfolio in the industry. Huawei's solutions cover network infrastructure, disaster recovery, security, and network management. Huawei data center products and solutions have been widely used in large enterprises, vertical industries, Internet corporations, and carrier networks.

As a world-leading network solution provider, Huawei has a long-term plan for data center network development and a firm determination to invest in the data center field for the long run. To support this determination, Huawei has extensive research capabilities, with world-class experts, rich experience in the research and development of data center standards, and broad chip development capabilities.

The CE series switches and Cloud Fabric network solution are products of Huawei's deep experience in working with IP networks during the last decade. They enable customers to build next-generation data center cloud networks that support sustainable development of cloud services into the foreseeable future.



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