PUBLIC SAFETY LTE

EVOLVED PACKET GATEWAY (EPG)

Anytime you are on duty, whether on patrol, en route or at an incident scene, you need instant access to all of your agency information resources. You need a reliable, mobile broadband connection, with the intelligence to ensure that the most critical information has the network resources to reach its destination when it matters the most.

ERICSSON LTE TECHNOLOGY LEADERSHIP

Ericsson is the world's leading provider of technology and services to telecom operators. As the undisputed leader in LTE development and standardization, Ericsson is the most trusted, most proven provider of standards-compliant LTE technology. Motorola Public Safety LTE networks are designed using the proven performance of Ericsson LTE platforms to deliver mission critical broadband services to those responsible for protecting lives and property.

STANDARDS COMPLIANT

The EPG combines the Serving Gateway (SGW) and Packet Data Network Gateway (PGW), two key components of the standards defined Evolved Packet Core (EPC). The SGW terminates the interface toward the eNodeB, and is the local mobility anchor during inter-eNodeB handovers. The PGW provides connectivity to external IP data networks, services and applications.

FIELD-PROVEN PLATFORM

Motorola's Public Safety LTE uses the Ericsson EPG platform for LTE SGW and PGW functionality. With years of proven in-service performance record, the Ericsson EPG currently provides mobile broadband service to a global user base. Public safety organizations can take comfort in knowing that their networks have passed the test of serving millions of users before being called upon to provide mission critical services to first responders in high-stress situations.

BUILT FOR PUBLIC SAFETY

Optimized to serve mission critical activities, the Ericsson EPG supports Quality of Service (QoS) functionality, enabling the ability to prioritize data traffic and ensuring that the network is serving the most critical need at the moment.

ERICSSON EPG PLATFORM FEATURES AND CAPABILITIES

- EPS bearer and session management of Packet Data Network (PDN) connections

- APN Management – multiple PDN per User Equipment (UE), APN-based routing/QoS

- QoS policy execution

- UE IP address allocation

- Serving gateway re-selection

- Idle mode support – buffer downlink and trigger paging procedure

- Operation and maintenance support

  - Configuration management

  - Fault management

  - Performance management

  - Security management

  - Software management

SPECIFICATIONS

CAPACITY AND PERFORMANCE

Scalable	From 2 to 30 blades
IP Sessions	Up to 5,000,000
High availability	99.999

PHYSICAL AND ENVIRONMENTAL

Size (W x D x H)	19 x 22.76 x 66.47 in 482.6 x 578.1 x 1688.3 mm
Weight	1 subrack : 242 lbs (110 kg) 3 subrack : 440 lbs (200 kg)
Input Voltage	Nominal: -48VDC Normal Range: -40 to -60 VDC
Total Power Consumption per Chassis	10,420 W
Storage	Temperature range: -40 to +70° C
Transportation	Temperature range: -40 to +70° C
Operating Conditions	Temperature range: +5 to +40° C Temperature range (short term): -5 to +50° C Relative humidity range: 20 to 80%

*Draft Beta Version