

## Bridgewater EPC 500

More than 150 service providers in over 60 countries around the world have announced plans to invest in Long Term Evolution (LTE) networks, with more than 100 network deployment commitments. In addition, industry verticals such as government, public safety, and utilities are planning to deploy LTE networks to meet specialized enterprise mobility requirements.

The award-winning Bridgewater® EPC 500 is an integrated LTE system that provides best-of-breed subscriber and device data management, and policy control functions for the LTE Evolved Packet Core (EPC).

Specifically designed to support LTE lab trials, field trials, and small- to medium-scale commercial deployments, the EPC 500 features the Bridgewater® Home Subscriber Server (HSS) and Bridgewater® Policy Controller (PCRF), anchored by Bridgewater's Subscriber Data Broker™. These proven Bridgewater products are pre-integrated on a single carrier-grade platform, creating an easy-to-deploy LTE system.

As a vendor-agnostic solution, the EPC 500 system offers standards-based interfaces to enable end-to-end interoperability testing. The system can be deployed in a matter of days to support a range of functions such as subscriber and service modeling, roaming, and quality of service (QoS) management.

### Why Bridgewater EPC 500?

- **Accelerate Trials:** Bridgewater provides the optimal control plane solution with all of the necessary standards-based control plane components for interoperability testing and trialing of new devices, as well as infrastructure and services to accelerate trials and early commercial deployments.
- **Flexibility in Equipment Choice:** Fully compliant with the 3GPP Release 8 and 9 standards, Bridgewater's solutions are vendor independent and can be easily integrated into multi-vendor EPC ecosystems to take advantage of vendor-specific enhancements.
- **Dynamic Subscriber Management:** The HSS and Policy Controller are powered by an intelligent policy-driven core that provides inherent flexibility to easily manage subscribers, networks, devices, and applications in real time. This is accomplished using configurable business rules that leverage a range of subscriber and device entitlements.

### Features and Benefits

#### Provides Greater Flexibility in how LTE Trials are Conducted

- Can be configured to support HSS, Policy Controller, or 3GPP AAA functions or any combination of these, thereby providing flexibility in testing plans as part of a large interoperability or proof-of-concept program.

#### Standards-based and Vendor Independent

- Allows service providers to leverage existing investments in the migration to an LTE core.
- Enables a multi-vendor strategy with standards-based interfaces and interoperability with a range of network equipment vendors.

#### Easy Migration Strategy from Trial to Commercial Deployments

- Wide-ranging support allows for an easy transition from lab to commercial deployments with a common platform, thereby accelerating time-to-market.
- Scalable and can support the migration to separate HSS and Policy Controller platforms in order to meet commercial deployment requirements.

#### Pre-integrated and Pre-configured on a Single Platform

- Deployed in a matter of days, accelerating LTE EPC trials and reducing time and complexity of setting up lab trials.
- Cost-effective, modular system with smooth migration from existing Bridgewater products.
- Features proven, carrier-grade platforms with support for both Solaris and Linux operating systems.
- Can be deployed in a standalone or redundant configuration.

## Supports a Range of LTE Trial Use Cases

- Basic interoperability testing between the EPC 500 (HSS) and the Mobility Management Entity (MME) using an S6a interface required as part of end-to-end testing – authentication, location, tracking, notification.
- LTE Service Modeling and Testing – ability to model differentiated services to test QoS management and 3G/4G roaming.
- Wholesale/retail service modeling.
- Features sample test plans and compliance and interoperability notes.

**DOWNLOAD** the Bridgewater EPC 500 datasheet for product details.

## About Bridgewater Systems

Bridgewater Systems, the leader in intelligent broadband controls, provides pre-integrated solutions for mobile and converged operators to transform their networks, optimize mobile data growth, and innovate with new services. The Bridgewater portfolio of carrier-grade products includes Service Controller (AAA), Policy Controller (PCRF) and Home Subscriber Server (HSS), anchored by a common identity and device management system. More than 150 leading service providers worldwide leverage Bridgewater to create and deliver profitable services to consumer, enterprise, cloud and machine markets.

### Headquarters

303 Terry Fox Drive,  
Suite 500  
Ottawa, Ontario  
Canada K2K 3J1  
P: +1 613 591 6655  
F: +1 613 591 6656

### European Office

1st Floor,  
6 FaradayOffice Park  
Faraday Road,  
Basingstoke, UK  
RG248QQ  
P: +44 (0) 125 684 0877  
F: +44 (0) 125 636 3833

### Asia Pacific Office

Suite 211/250 Pitt Street  
Sydney, NSW,  
Australia 2000  
P: +61 2 9283 2313  
F: +61 2 9283 3738

### U.S. Office

280 Madison Avenue,  
Suite 912  
New York, NY  
United States 10016  
P: +1 866 652 0471  
F: +1 613 591 6656

### Hong Kong Office

Unit #30, Level 23,  
One Island East  
18 Westlands Road,  
QuarryBay  
Island East, Hong Kong  
P: +852 3750 7588  
F: +852 3750 4769