The Accuris Networks enhanced Data Gateway (eDGW) is the industry’s first software-based ePDG and AAA server combined to create a secure connection between devices and the mobile core network.

Now service providers can start small with Wi-Fi Calling and scale quickly, thanks to the agility of the eDGW.

**KEY FEATURES OF THE eDGW**

**SOFTWARE-CENTRIC SCALABILITY**
Industry’s first software based ePDG and AAA server.

**BYOH**
Built on COTS hardware, service providers can ‘bring their own hardware’, or buy from Accuris.

**DEPLOYMENT FLEXIBILITY**
The eDGW is available for network deployments, or as a hosted cloud service.

**GRANULAR SUBSCRIBER CONTROL**
Advanced policy control and embedded AAA gives service providers complete control over the service.

**PROVEN INTEROPERABILITY**
Proven interoperability with leading IMS vendors and smartphones (iOS, Android).
3GPP up to release 12 support
- TS 29.060
- TS 29.274
- TS 33.402
- TS 29.281
- TS 23.402
- TS 24.302
- TS 23.234
- IPv4/IPv6 support in external and tunneled packets
- Configurable IPSec timeout
- Support for P-CSCF discovery function
- Static or dynamic selection of P-GW elements
- Multiple PDN support
- NAT Traversal (RFC 3947)
- NAT keep-alive and access control lists (ACL)
- Dead peer detection (RFC 3706)

IKE v2 Security
- encryption: AES_CBC[aes]
- 3DES_CBC[des] DES_CBC[des]
- integrity: SHA1_96, 128, 160, MDS_96, 128, SHA2_256_128, 256_256, 384_192, 384_384, 512_256
- hasher: HASH_SHA1[sha1]
  - HASH_SHA224[sha2]
  - HASH_SHA256[sha2]
  - HASH_SHA384[sha2]
  - HASH_SHA512[sha2]
  - HASH_MDS[md5]
  - prf: PRF_KEYED_SHA1[sha1]
  - PRF_HMAC_SHA1[hmac]
  - PRF_HMAC_MD5[md5]
  - PRF_HMAC_SHA2_256[hmac]
  - PRF_HMAC_SHA2_384[hmac]
  - PRF_HMAC_SHA2_512[hmac]
  - PRF_FIPS_SHA1_160[fips-prf]
  - dh-group: 1, 2, 5, 14, 15, 16, 17, 18

Hardware Platform
- Carrier Class Platform
- Intel Core Based
- Up to 8 10GbE interfaces
- DPDK based implementation
- MultiBuffer crypto library for IPsec acceleration
- RHOSP [Red Hat Open Stack Platform] and RHEV [Red Hat Enterprise Virtualization] support for NFV deployments

Management & Control
- CLI and Secure Web Management over dedicated 1GbE interface
- Support for OpenFlow 1.4 and Openstack Architecture

EAP Support
- SIM/AKA
- TLS/TTLS (non SIM Devices)

High Availability
- Fully redundant hardware platform
- Built on Accuris H/A eServer platform for redundancy

GTPv2 support
- Multiple bearer support
- Release 12

Interfaces Supported
- S2b to P-GW
- SWm to AAA
- SWu to WLAN UE
- S6b to P-GW
- Gx to OCS (optional)
- Gy to PCFR (optional)

Performances
- Up to 1Million sessions support simultaneously
- Up to 500 sessions per second support
- Up to 20 Gbps traffic throughput per card

GENERAL WI-FI CALLING CAPABILITIES

SMARTPHONE DEVICES
- Apple iPhone (iOS 8 or later)
- Android ‘n’ (in development)
- Select Samsung Devices
- Selected Windows Phone devices

IMS CORE VENDOR INTEROPERABILITY
- Ericsson
- Nokia
- Alcatel/Lucent
- Huawei
- Mitel/Mavenir
- And more…

HANDOVER
- The eDGW fully supports handover between Wi-Fi and the LTE access network, assuming the functionality is supported in the IMS core

VOICE QUALITY
- The eDGW is extremely low latency, designed to optimize throughput and minimize impact on voice quality.

ABOUT ACCURIS NETWORKS
Accuris Networks is a global provider of operator networking solutions that deliver intelligent connectivity and dynamic control of the subscriber experience in multi-network environments. We offer specific solutions for interworking, IMS Readiness, Wi-Fi Calling and Network Roaming.

We are a trusted supplier to blue-chip operators around the world including Bell ID, AT&T, Vivo, BT, Mobily, Maxis and China Mobile.

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