



Radiator SIM Pack

Data Sheet

Radiator is the leading solution for authentication, authorisation, and accounting (AAA) which allows you to control access to your wired and wireless networks comprehensively and efficiently. Thousands of companies and organisations around the world use Radiator for their AAA needs.

Radiator SIM Pack is the key component for seamless data and voice roaming between mobile and Wi-Fi networks with SIM authentication. Radiator SIM Pack also provides all the functions required for 3GPP AAA Server. Radiator SIM Pack provides seamless authentication with EAP-AKA standard. AKA is the standard for authenticating wireless LAN access with mobile phone SIM cards and the existing world-wide LTE mobile telephone authentication network.

Features

- Full 3GPP AAA Server functionality for VoWiFi and VoLTE
- 3GPP AAA server SWm, S6b, SWa Diameter interfaces
- EIR support for 3GPP AAA server
- Standalone support for all SIM-based (EAP-SIM, EAP-AKA, EAP-AKA') authentication protocols
- IMSI encryption for EAP-SIM, EAP-AKA, EAP-AKA' and 3GPP AAA Server as defined by WBA's IMSI Privacy Protection for Wi-Fi – Technical Specification
- 3GPP Diameter Wx interface for direct HSS connections
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- M3UA/SIGTRAN interface for MAP based authentication
- Support for converting AKA vectors to SIM triplet for lower HSS licensing costs and greater configuration flexibility
- Supports MAP/SS7 gateways for connecting to legacy AuC/HLR servers over MAP, SIGTRAN and other protocols.
- Full RADIUS accounting support
- IPv4 and IPv6 support
- TCP and SCTP for both IPv4 and IPv6
- Advanced Radiator Diameter server software
- Diameter relay application
- Equipment Identity Register (EIR) generic, client and test server support
- Includes all features of Radiator AAA Server Software

Interoperability

- Interoperable with any device that uses RADIUS, TACACS+ or Diameter
- Wide range of vendor-specific extensions
- Proven compatibility with telco equipment from all major vendors.

Supported Platforms and Minimum System Requirements

- Unix, Linux, RHEL/CentOS/Oracle Linux 6/7/8, Ubuntu 16.04 LTS/18.04 LTS/20.04 LTS, Debian 9/10, SUSE, Solaris 10/11, Windows 7/8/8.1/10, Windows Server 2008/2012/2016/2019, Mac OS X, VMS
- Perl, on Windows ActivePerl from ActiveState or Strawberry Perl
- Memory, CPU and disk space dependent on the use case and configuration. Runs on virtual and non-virtual servers

Services Available

- Flexible licensing options ranging from perpetual licences to transaction-based and flat rate licensing. Licences include the first year access to new releases and patches (renewal annually)
- Email and telephone support
- Remote and onsite installation and consulting
- Training

Additional Modules

Radiator SIM Pack can be combined with our other ISP products to expand functionality:

- Radiator Policy and Charging Pack (PCRF, OCS)
- Radiator GBA/BSF Pack (VoLTE Authentication)
- Radiator VNF Flex (Management and Orchestration)