



Radiator

RADIATOR SIM PACK

YOUR KEY TO SEAMLESS AUTHENTICATION

Radiator™ SIM Pack is the key component for seamless roaming authentication between mobile and Wi-Fi networks that use SIM credentials. Radiator SIM Pack also provides all the functions required for a 3GPP AAA server. There are multiple benefits to using Radiator SIM Pack: SIM authentication is designed for and already used with mobile devices and relevant infrastructure; the credentials have already been distributed to customers with SIMs; and SIM authentication is easier to use than customer/client certificates or username-password authentication. All of these reduce the need for customer support and increase usability for end users.

Radiator SIM Pack provides seamless authentication with the EAP-AKA standard. AKA is the standard for using the SIM cards of mobile devices for authentication in Wi-Fi and mobile phone networks.

RADIATOR SIM PACK INCLUDES:

- Full 3GPP AAA Server functionality for VoWiFi and VoLTE
- Standalone support for all SIM-based authentication protocols (EAP-SIM, EAP-AKA, EAP-AKA')
- Support for both HSS and HLR interfaces
- SIM cards for set-up and testing
- Unlimited Radiator server license
- One year unlimited email support
- One year access to new releases & patches of all software

Word from our partner

"Radiator is the only choice in the industry when you need complex and flexible customization without impact on high speed performance. The fact that OSC provides source code allows us to modify core components to suit our application and really do anything we want it to do, and allows integration with anything we want it to integrate with.

*A Tier 1 Taiwanese mobile operator uses Radiator for all mobile authentication (EAP-SIM, UAM, and SMS-OTP) in over 50,000 hot-spots in Taiwan. **A single server Radiator performs almost 1,200 transactions per second (TPS) during busy hours and has never failed in providing a stable and rock-solid performance.***

Peter Cheng, President, Acom Networks

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TECHNICAL DETAILS

- EAP-SIM, EAP-AKA, and EAP-AKA' support
- M3UA/SIGTRAN support for EAP-SIM and EAP-AKA
- Support for Diameter S6b, SWm, and SWa interfaces
- 3GPP interface support (Diameter-Wx and Diameter-SWx) for mobile infrastructure interoperation
- 3GPP Diameter Wx interface for direct HSS connections
- 3GPP Diameter SWx interface for direct HSS connections
- M3UA/SIGTRAN interface for MAP-based authentication
- Support for converting AKA vectors to SIM triplets for lower HSS licensing costs and greater configuration flexibility
- Support for MAP/SS7 gateways for connecting to legacy AuC/HLR servers over MAP, SIGTRAN, and other protocols
- Full RADIUS accounting support
- TCP and SCTP for both IPv4 and IPv6
- Full source code supplied
- Can be combined with Radiator Diameter Pack for additional 3GPP policy and charging support (Diameter-Gx, Diameter-Gy, and Diameter-Gz)

SUPPORT AND PRICING

All Radiator products, including Radiator SIM Pack, are available directly from Open System Consultants or from our Authorised Agents in over 50 countries around the world. Please see www.open.com.au for details.

Our licensing model is designed to suit various customer needs. Radiator licenses are not limited by time nor the number of connected devices or end users, so there are no unanticipated licensing costs.

Global support is provided by OSC's own engineers with extensive experience in software and telecommunications engineering. Local consultation and support services are available both from OSC and our partners in over 50 countries. We are happy to assist you remotely and on-site.

If you are interested in integrating Radiator SIM Pack into your devices, platforms, or other products, please contact us for information on OEM licensing at info@open.com.au

USE CASE FOR WIFI OFFLOADING

A growing number of operators need to expand their mobile data coverage with Wi-Fi. The main requirement is that only one authentication method is used for both Wi-Fi and LTE networks. Also, both mobile and laptop users need to have common charging methods and policies that are easy to manage, such as readily distributed SIM cards.

The technical solutions that make this possible are the EAP-SIM and EAP-AKA standards. They use SIM cards for

authentication in Wi-Fi and 3G/LTE mobile networks. Support for these EAP methods is included in a number of smart phones, tablets, and other devices. Laptop users can use alternative authentication methods.

Radiator makes it possible to unify Wi-Fi and LTE network authentication with a single subscriber SIM card. In the unified solution, the end user can use the same data plan in both Wi-Fi and LTE networks. If you are interested in this kind of solution, our expert team is ready to help.