

R&S® NET SENSOR OEM

POWERFUL SOFTWARE IP PROBE FOR NEXT-GENERATION NETWORK ANALYTICS

R&S®Net Sensor OEM is a powerful software IP probe that provides data for advanced network analytics. Although lean and modular in build, it is designed to be integrated into versatile network solutions at high wire speeds. Based on the DPI engine R&S®PACE 2, its high performance and scalability enable innovative solutions for the networks of the future.

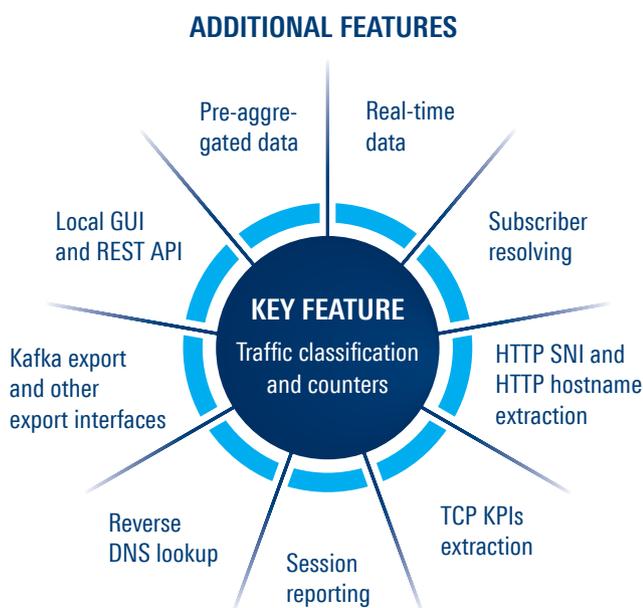
Network analytics and security vendors are dealing with growing traffic rates and stagnating budgets, while the communications industry demands evermore advanced solutions with customized use cases. In this sensitive market situation, building your own IP probing system can turn out inefficient and even risky, while many 3rd party IP probes require high integration and adaptation efforts. To address these needs, Rohde & Schwarz offers an OEM software IP probe, scalable to meet any demands, as a lightweight and customizable solution.

A solution as unique as your challenges

R&S®Net Sensor OEM is a versatile, flexible and reliable software IP probe. It can be tailored to any demand thanks to open APIs, its modular build and the in-house developed, high-performance deep packet inspection (DPI) engine R&S®PACE 2. With mobile and fixed line traffic analytics, as well as correlation of subscriber traffic, R&S®Net Sensor OEM is able to cover the whole array of network analytics use cases. An equally flexible pricing model ensures predictable costs and a safe investment.

Key benefits

- ▶ **Scalability**
Enabling future-proof solutions with up to multiple Tbps
- ▶ **Flexibility**
Customizable, modular build, open APIs and dedicated technical consulting teams
- ▶ **Versatility**
Fixed line traffic, mobile traffic and pcap analysis
- ▶ **Reliability**
Market-leading application and protocol coverage with over 14 years of expertise



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Modular architecture

R&S®Net Sensor OEM comes with a strong core that provides DPI and fast packet processing to offer real-time reports on the entire network and its subscribers. Depending on individual demands, additional modules can be added to the solution, for example aggregation and correlation functions, a database and graphical user interface or integration of 3rd party products or solutions. Configurable measurement and reporting intervals offer high precision traffic counting as well as aggregated values. This way, each analytics vendor gets an individual solution. The risk of buying functionalities that already exist or having to develop additional functions internally is reduced to a minimum.

Technical features

- ▶ DPI-powered software IP probe suitable for COTS, virtualized or cloud solutions
- ▶ Subscriber awareness with extraction and correlation of data from the user and control planes
- ▶ Data export for big data systems with multiple APIs (HDFS, Kafka, etc.)
- ▶ Single reporting interface to external systems also with multiple R&S®Net Sensor OEM probes
- ▶ Mobile and fixed network support (GTP, Radius, VLAN, L2TP, MPLS etc.)

Customization benefits

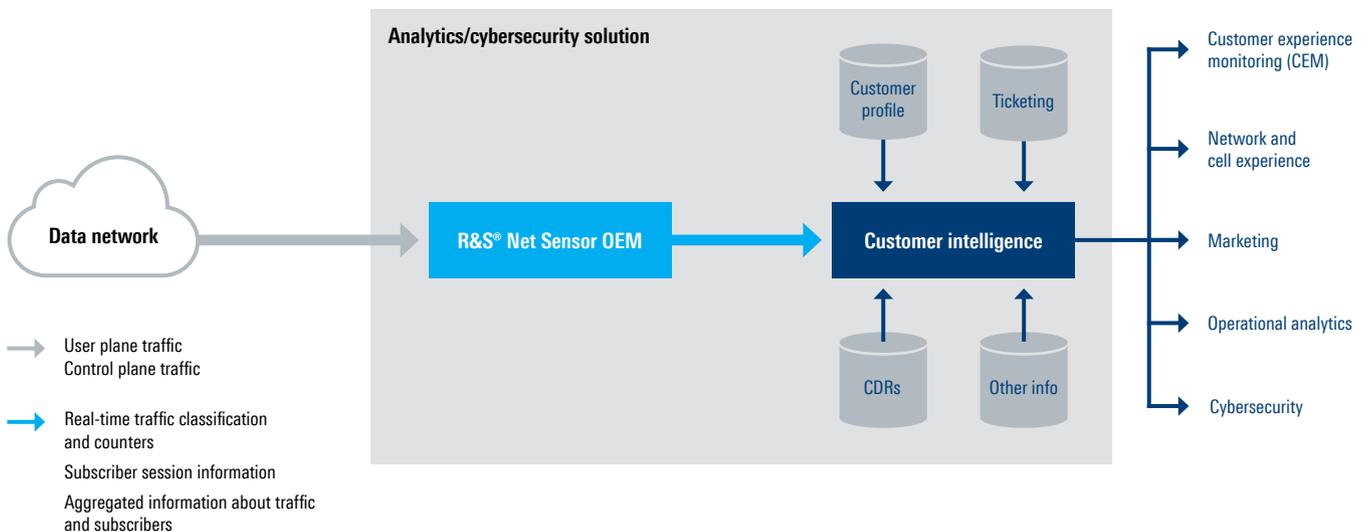
The demanded requirements for IP probes are as different as the use cases covered. Moreover, what works well now might lack functionalities in future scenarios. Thus, only a customizable and flexible solution is able to cover the full range of IP probing use cases.

R&S®Net Sensor OEM is designed for flexible adaptation to different networks, reporting requirements (for example, per flow or per subscriber) and individual reporting granularity. Processing rates are scalable from small setups to systems of several Tbps. Additionally, R&S®Net Sensor OEM can be deployed on COTS hardware, as well as on virtualized and cloud environments.

Highest performing DPI engine on the market

The solution is powered by R&S®PACE 2, the DPI software by Rohde & Schwarz, that offers highly reliable classification of applications. Additionally, it can extract richer data according to usage time, type of content, identification of different types of services and top applications. R&S®PACE 2 is deployed worldwide and known for fast performance and efficient memory usage. The software library is constantly being updated and enhanced with the newest applications worldwide.

R&S®NET SENSOR OEM DEPLOYMENT



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R&S®Net Sensor OEM

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