Connected Vehicles: Wireless Security and Connectivity to the IoT Made Easy
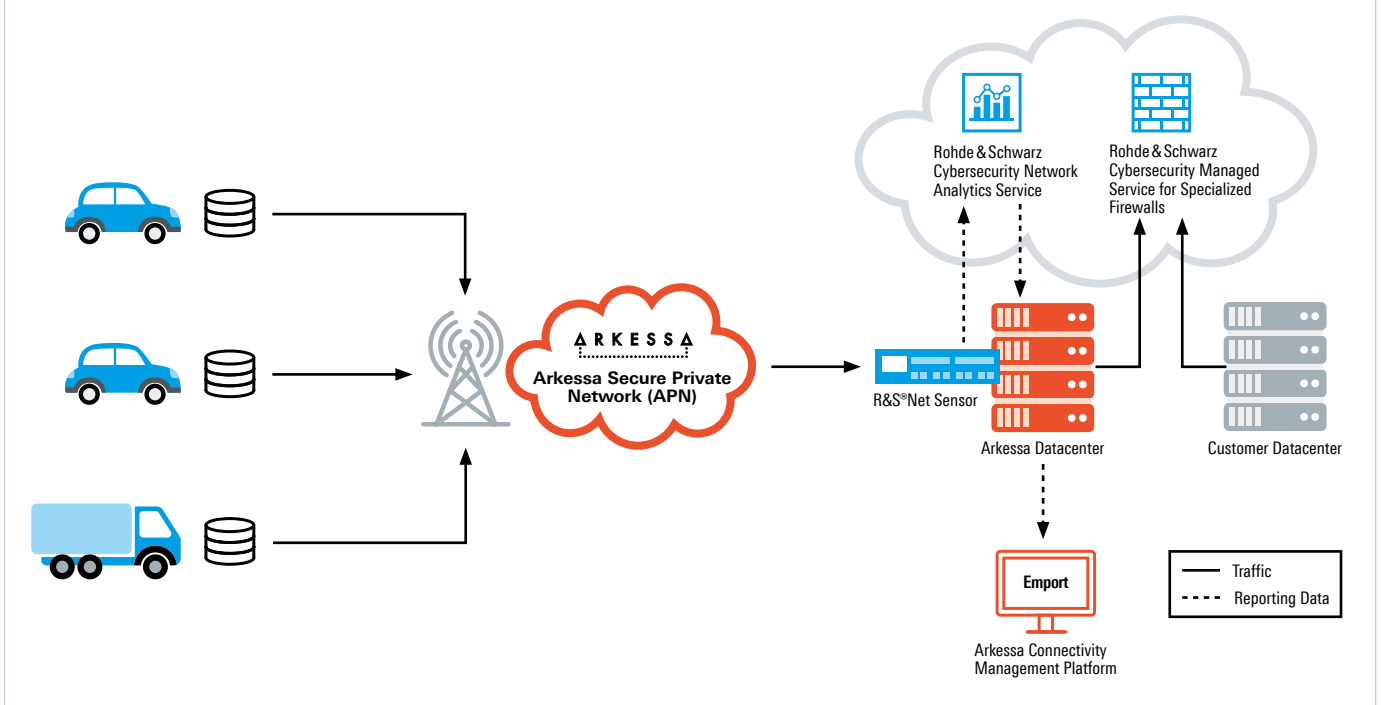
Manage the IoT Challenge with Arkessa and Rohde & Schwarz Cybersecurity

The Internet of Things (IoT) continues to expand rapidly and poses significant network connectivity and security risks. The scale of deployment for connected endpoints and devices is unprecedented and creates unique new challenges for the IoT ecosystem, including carriers and network operators. Arkessa and Rohde & Schwarz Cybersecurity have joined forces to help you take control of all your IoT operations with secure, global, backdoor-free, managed IP connectivity services. While use cases range from vending machines and home automation to critical infrastructure and mobile wireless access points, your connectivity and security enabler stays the same.

Benefits include:

- Cost savings
- Single pane of glass for managing device connectivity on any network and territory
- Full visibility, reporting and actionable intelligence of network traffic
- Unparalleled opportunity to act on security threats
- Security made easy with graphical user interfaces designed to save time and prevent human errors
- IoT and M2M connectivity with global scale
- European vendors

Arkessa and Rohde & Schwarz Cybersecurity Solution for connected vehicles

Arkessa Secure Private Network (APN)

R&S®Net Sensor

Rohde & Schwarz Cybersecurity Network Analytics Service

Rohde & Schwarz Cybersecurity Managed Service for Specialized Firewalls

Arkessa Datacenter

Customer Datacenter

Emport

Arkessa Connectivity Management Platform

— Traffic
---- Reporting Data

ROHDE & SCHWARZ
Cybersecurity

Arkessa and Rohde & Schwarz Cybersecurity gives you a competitive edge

Manage	Detect	Protect
Arkessa MVNO & Managed Connectivity Services	**Rohde & Schwarz Cybersecurity Network Analytics Service**	**Rohde & Schwarz Cybersecurity Firewall Service**

Easy management of heterogeneous IoT System
- Manage a range of deployment scenarios in one platform
- Multiple networks consolidated into a single dashboard

Productivity and operational continuity
- Improve service reliability with easy-to-use monitoring and diagnostic tools
- Save costs with full visibilty and control of data usage including advanced alerts and rules

Flexibility and Scalability
- Create international scale with global roaming SIMs, single network SIMs and reprogrammable eSIMs (eUICC)
- Flexible data plans and tariffing to suit application requirements

Network traffic visibility
- Make devices, protocols and applications in the network visible
- Inspect DNS data like most-used domains, active DNS servers

Realtime reporting
- Monitor bandwidth and data consumption (per application/protocol/endpoint)
- Evaluate usage behavior of specific endpoints
- Provide connection detail records

Threat analytics
- Monitor critical network segments and report events
- Detect intrusion and malicious traffic
- Identify data leakage

Very low maintenance effort through Firewall as a Service
- Graphical web-GUI
- Online control and reporting platform

Proactive security & control
- Act on the superior visibility
- Fine-tune and apply rules in the firewall
- Consolidate monitoring through external SIEM or with Rohde & Schwarz Business Intelligence

Bridge the OT & IT gap
- Application level security with leading DPI
- Including ICS & SCADA protocols

About Arkessa
Arkessa is a leading managed service provider, delivering Machine to Machine (M2M) and Internet of Things (IoT) connectivity solutions that enable IoT devices to securely and reliably connect straight out of the box regardless of geography, network operator or wireless technology.
- www.arkessa.com

About Rohde & Schwarz Cybersecurity
Rohde & Schwarz Cybersecurity develops and produces technologically leading solutions for information and network security to prevent cyberattacks proactively, rather than reactively. The award-winning and certified IT security solutions range from compact, all-in-one products to customized solutions for IoT.
- www.cybersecurity.rohde-schwarz.com

5215299532