#### Application Development

## LANCOM R&S® SECURE APPLICATION GATEWAY

# SECURELY CONNECT, ACCESS AND OPERATE R&S INSTRUMENTS AND SYSTEMS

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(LANCOM Systems)

#### ROHDE&SCHWARZ

Make ideas real



## LANCOM – 20 years. 100,000 projects. 1 mission.

The customer is the leading guidance in our approach to build secure IT networks

- → A leading European manufacturer of network and IT security solutions for business and the public sector
- → Sole German provider in the market: Security & data protection are part of our DNA
- → Award-winning sustainability strategy
- → 100% subsidiary of Rohde & Schwarz, Munich





#### 2019 ecovadis | CSR | Rating

#### **LANCOM** – from startup to major player

We focus on the customer in everything we do

- → Founded 2002 in Aachen, Germany
- → 400 employees
- → More than 3.6 million products shipped
- → Several 100,000 customer projects implemented
- → Winner of numerous company and innovation awards



#### Top 3

#### Provider of routers and WLAN in Germany\*







#### 7.500

#### Sales partners

2-tier indirect distribution with partners in 33 countries



### R&D investments

High revenue share goes into research & development







### The LANCOM security pledge

We provide the adequate frame to achieve digital sovereignty



Plus	German company	Made in Germany	Proprietary OSs	Guaranteed free of backdoors	Consistent update policy
Characteristics	Based in Germany, 100% subsidiary of the German technology group Rohde & Schwarz (Munich)	Software & hardware developed in Germany GDPR compliant	Proprietary family of operating systems for routers, WLAN, switches, firewalls & cloud	Strict avoidance of hidden means of access	Security and feature updates over many years
Your advantages	Optimal legal framework for highest security & data protection	Cloud hosting exclusively and manufacturing mainly in Germany	Full control, fast reactions	Highest standards of security and encryption	Transparent lifecycle management

# KEY CUSTOMER REQUESTS

- ► How to harmonize available T&M systems of various ages and operating systems with modern data and IT security requirements?
- How to address the demand for secure remote access and worldwide automatic testing?



# DIFFERENTIATION FROM AN ,OFF-THE-SHELF' NETWORK SECURITY SOLUTION



T&M specific protocols



Zero-efforts strategy for IT departments

T&M device discovery functions



Net-in-net approach



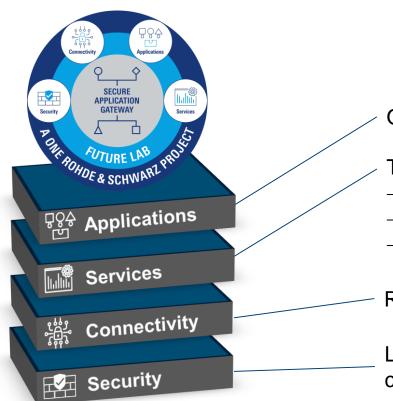


T&M adjusted NG-firewall



Features futureproof in software

## SECURE APPLICATION GATEWAY OPTION – AT A GLANCE





OT specific applications

Tailored services to the point

- Equipment discovery and handling
- Remote control, debugging and service access
- Application layer inspection and routing

R&S® equipment specific network architecture

LANCOM R&S® Unified Firewalls as central component providing enterprise-class security

## SECURE REMOTE ACCESS AND SERVICE

#### ▶ New services

- 24/7 telemetry
- remote monitoring solutions
- virtual remote support by higher level support or development engineers
- Industrial OT applications

#### Benefits

- Tremendously reduced costs, down and round-trip times
- new flexible service and subscription models

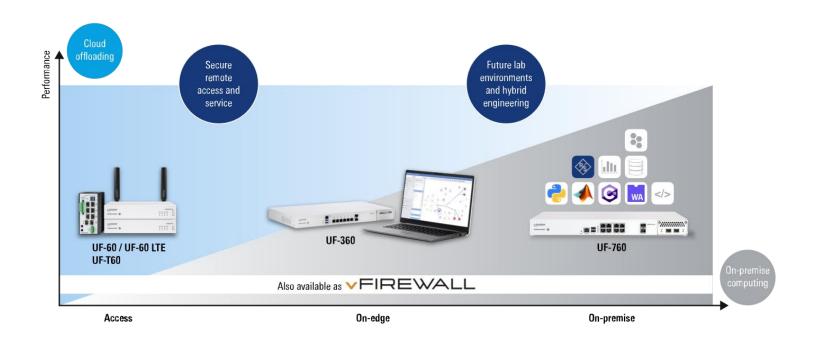


### FUTURE LAB ENVIRONMENTS AND HYBRID ENGINEERING

- ► New co-working models
  - 24/7 assets utilization
  - Worldwide connected, distributed development teams
  - Secure remote automated testing
- Business benefits
  - Faster time to market
  - Eco-system for OT specific applications and services
  - State-of-the-art data sovereignty



## LANCOM R&S® SECURE APPLICATION GATEWAY PLATFORM



#### Secure remote access and service

# LANCOM R&S®UNIFIED FIREWALL UF-60 LTE

- ► Enterprise-class network security and unified threat management
- ► Flexible networking and SD-WAN functions
- ► High level of independence through integrated LTE module
- ► Term-based license model (1, 3 or 5 years)

IT security MADE IN GERMANY Integrated 4G for max. flexibility



Future lab environments and hybrid engineering

# LANCOM R&S®SECURE APPLICATION GATEWAY UF-360

- Next-generation security and unified threat management by design
- ▶ Built-in protection against zero-day threats with integrated machine learning and R&S®PACE2 deep packet inspection
- ► Built for sophisticated T&M applications and use cases
- 6x GE copper, 2x SFP+ with an extra extension modules bay

IT security MADE IN GERMANY
State-of-the-art data sovereignty. Anytime. Always.



### Future lab environments and hybrid engineering

## LANCOM R&S®SECURE APPLICATION **GATEWAY UF-760**

- ► Redundancy at all times better safe than sorry
- IT meets OT: next-generation firewall performance enables on-premise computing solutions
- ► An all-in-one application platform for T&M applications and services
- 8x GE copper, 2x SFP+ with an extra extension modules bay

IT security MADE IN GERMANY meets tremendous computing power



Future lab environments and hybrid engineering

# LANCOM R&S®SECURE APPLICATION GATEWAY OPTION

- ► T&M systems connected and secured by next-generation technologies
- ► Can be accessed and used by engineering teams distributed worldwide
- ► With IoT services and tailored T&M applications
- Also available as virtual solution (LANCOM vFirewall)

IT meets OT Available 102023



# ELECTRONICA FAIR 2022 – SECURE REMOTE TESTING THANKS FOR VISITING US!









Simply request your demo including the desired appointment time and our team will reach out to you.



www.rohde-schwarz.com/secure-application-gateway