

## Security



## LANCOM R&S® Unified Firewalls

Network security by design

LANCOM R&S® Unified Firewalls offer small and medium-sized enterprises a customized complete solution for state-of-the-art security and Unified Threat Management (UTM). The next-generation Firewalls provide reliable cyber security, either stand-alone or operated via the LANCOM Management Cloud (LMC). Thanks to the setup wizard and the graphical user interface, intuitive operation and a clear overview of all secure areas in your company are possible.

- Protection against spam, viruses, malware, and complex cyber attacks
- State-of-the-art security technologies such as R&S®PACE2 deep packet inspection
- Protection against zero-day threats due to integrated sandboxing and machine learning
- Integration into the LANCOM Management Cloud
- Setup wizard for intuitive step-by-step initial setup
- Intuitive network visualization enabling easy implementation of security and compliance policies
- Detailed filtering and validation of applications and protocols
- IT security "Made in Germany" and guaranteed without backdoors
- Also available as virtual, software-based firewall (LANCOM vFirewall)
- Term-based license model (1, 3 or 5 years)

# LANCOM R&S® Unified Firewalls

## Highest security “Made in Germany”

The increasing cyber risks lead to higher requirements on company security, data protection and the availability of complex IT systems. LANCOM R&S® Unified Firewalls are next-generation firewalls that are developed and programmed in Germany. Thanks to Unified Threat Management (UTM) functions, they optimally complement existing LANCOM network infrastructures with the aspect of IT security. This also includes the use of state-of-the-art cybersecurity technologies such as sandboxing and machine learning. In addition, thanks to the use of clustering and redundant hardware, the company’s IT remains available at all times, which means future-proof protection for company networks and “no backdoors”.

## Intuitive operation via setup wizard and web interface

An intuitive installation wizard allows easy initial configuration with just a few mouse clicks in less than five minutes. The user-friendliness of the Web interface of the LANCOM R&S® Unified Firewalls supports the user in providing

maximum cyber security. Human errors in the configuration of the firewall can greatly be reduced, as all the firewall rules of the network are displayed clearly and graphically. This browser-based centralized management GUI enables granular fine tuning while also providing a comprehensive overview of the secured devices and connections in the network. This not only facilitates the implementation of compliance policies, but also saves time by simplifying the process of combining rules. Comprehensive audit and compliance reports also ensure maximum transparency.

## Cloud-managed Firewall

The firewalls are now cloud-ready. Devices are paired to the LANCOM Management Cloud (LMC) by a convenient yet secure PIN- or activation code-based pairing procedure. They then appear in the device overview, which offers clearly structured monitoring of the device status and also features an alerting function. A web tunnel provides access to the firewall management interface for remote configuration from the LMC.

## Screenshot of the web interface for creating and managing firewall rules

The screenshot displays the LANCOM R&S web interface for firewall rule management. The interface is divided into several sections:

- Left Sidebar:** Contains navigation menus for Firewall, Monitoring & Statistics, Network, Desktop, UTM, User Authentication, VPN, Certificate Management, and Diagnostic Tools. Under 'Desktop', there are sub-menus for Desktop Connections, Desktop Objects, Desktop Rules, and Desktop Tags. Under 'UTM', there are sub-menus for UTM, User Authentication, VPN, and Certificate Management.
- Main Area:** Shows a network diagram with a central Firewall node. The diagram includes various network components such as Desktop Connections (Development Phone, HQ, QA, IT Network), IT Network (Development Team 1, Development Team 2, QA Team 1, QA Team 2, QA Phone, File Server, DB, Operations, HMI, NAS, Supervisory System, Coordinating System), and OT Network (RTUs, PLCs, IP Cameras, NAS, Supervisory System, Coordinating System). Other nodes include User Authentication, IP Cameras, Internet, and VDSL2.
- Right Sidebar:** Displays the 'Inventory Data Base' for a specific host, showing details like Interface (v1 eth0) and IP Address (192.168.0.255).

# LANCOM R&S® Unified Firewalls

## Cloud-based protection against viruses and malware

Effective defense against malware and viruses is ensured by the firewall, which reliably detects suspicious files. To protect against as-yet unknown threats (zero-day exploits), suspicious files are first loaded into a protected cloud. In this isolated sandbox environment, the files can be securely and reliably tested. Analyses using third-generation machine learning based on billions of samples scan and proactively block threats based on their behavior. The cloud is hosted in Germany and complies with the European General Data Protection Regulation (“GDPR”).

## SSL inspection: Defense against complex cyber attacks through encrypted channels

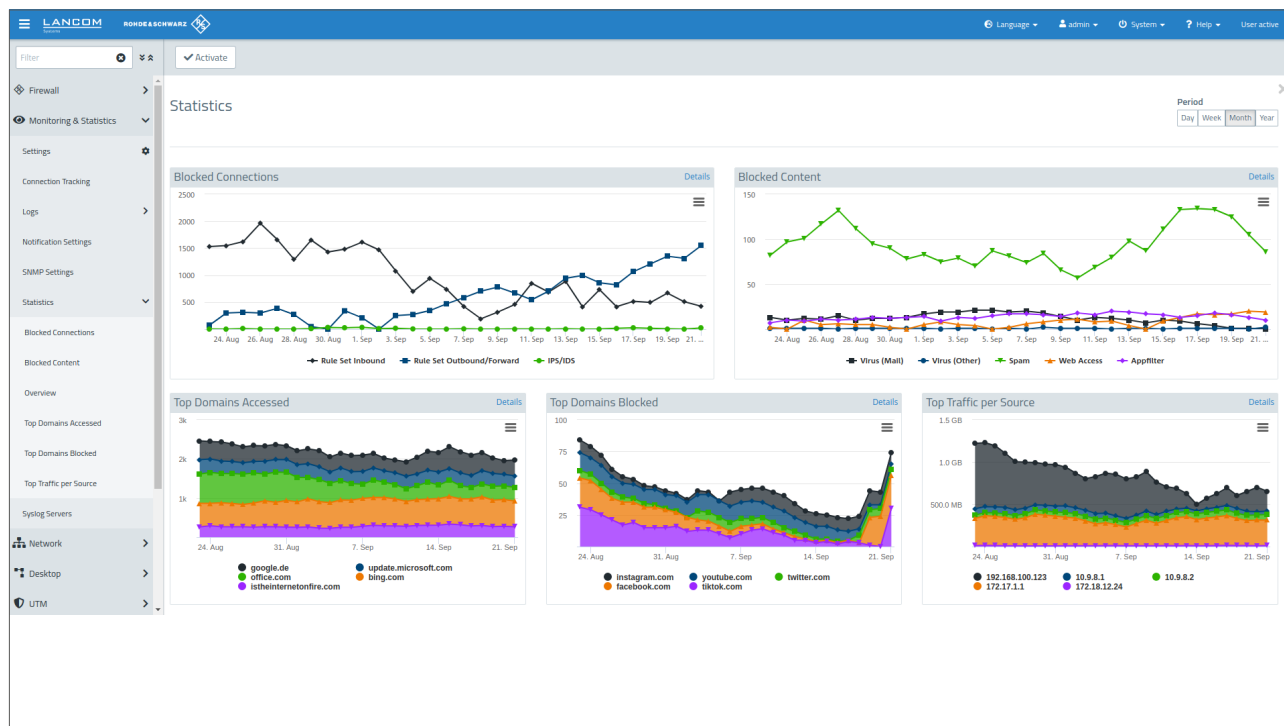
Data-traffic encryption is increasingly widespread and, although this is welcome from the privacy point of view,

there is the risk that malware enter systems via encrypted channels. Thanks to SSL inspection, even encrypted data packets can be scanned and filtered, applications detected, and compliance policies successfully implemented.

## Deep packet inspection: Subtle filtering and validation of applications and protocols

To protect against complex cyber attacks, the firewalls use deep packet inspection (DPI) providing insights into encrypted data traffic. Utilizing the industry-leading R&S®PACE2 DPI engine, UTM firewalls enable accurate classification of network traffic, protocols and applications. Fine-grained security policies actively regulate the use of certain applications, such as streaming services or browsers.

## Screenshot of the statistics in the web interface



# LANCOM R&S® Unified Firewalls

## LANCOM R&S® Unified Firewalls



LANCOM R&S® Unified Firewall	UF-60	UF-160	UF-260	UF-300	UF-500	UF-910
Hardware properties						
Ports	4x GE copper	4x GE copper	4x GE copper, 1x SFP	8x GE copper	6x GE copper	8x GE copper
Optional extension modules	–	–	–	–	yes (1G ETH, 1G SFP, 10G SFP+)	yes (1G ETH, 1G SFP, 10G SFP+)
Power supply & memory redundancy	–	–	–	–	–	yes
Max. system performance (individual measurements) *						
IPS / IDS throughput HTTPS (Mbps)	700	750	1,250	950	1,450	5,900
Firewall throughput TCP (Mbps)	3,500	3,550	4,450	7,400	13,000	59,000
VPN throughput IPSec (Mbps)	790	1,200	1,500	730	1,300	5,300
Concurrent sessions	1,000,000	1,000,000	2,000,000	1,000,000	2,000,000	16,700,000
Max. system performance (usage of all UTM functionalities) *						
UTM throughput HTTPS (Mbps)	150	170	340	200	430	1,700
Max. number of VPN tunnels **	5 (extendable to 25)	25 (extendable to 50/100)	100 (extendable to 200)	–	–	–
Power						
Input voltage (V)	100-240	100-240	100-240	100-240	100-240	100-240
Max. power consumption (W)	40	40	40	150	150	2x 300
Operating environment						
Operating temperature (°C)	0-40	0-40	0-40	0-40	0-40	0-40
Relative humidity (%)	10-85	5-90	5-90	20-90	20-90	5-90
Dimensions						
W x H x D (mm)	232 x 44 x 115	231 x 44 x 200	231 x 44 x 200	438 x 44 x 292	431 x 44 x 305	431 x 44 x 468

\* All throughput rates measured bidirectionally with 1,500 bytes packet size \*\* UF-300, UF-500, and UF-910 are not limited to the number of VPN tunnels.

# LANCOM R&S® Unified Firewalls

Features	Basic License	Full License	Feature description
Content Filter	UF-50 only	✓	<ul style="list-style-type: none"> <li>URL and content filter</li> <li>Customizable rules for users</li> <li>Blacklists / whitelists</li> <li>Import / export of URL lists</li> <li>Category-based website blocking (individually definable)</li> <li>Online scan technology</li> <li>HTTP(S) proxy support</li> <li>Override function</li> </ul>
Application control*		✓	<ul style="list-style-type: none"> <li>Layer-7 packet filter (DPI)</li> <li>Filter by applications (e.g. Facebook, YouTube, BitTorrent, etc.)</li> <li>Blacklists / whitelists</li> <li>Protocol validation</li> <li>HTTP and IEC 104 decoder</li> <li>R&amp;S®PACE 2 (Protocol and Application Classification Engine)</li> </ul> <p>*) available for LANCOM R&amp;S®Unified Firewall UF-60, UF-160, UF-260, UF-300, UF-500, and UF-9XX</p>
Antivirus*		✓	<ul style="list-style-type: none"> <li>HTTP/S, FTP, POP3/S, SMTP/S, IMAP/S</li> <li>Configurable exceptions</li> <li>Multi-level scanning (local and cloud-based)</li> <li>Sandboxing</li> <li>Fast classification of zero-day threats through AI technologies (machine learning)</li> </ul> <p>*) available for LANCOM R&amp;S®Unified Firewall UF-60, UF-160, UF-260, UF-300, UF-500, and UF-9XX</p>
Antispam*		✓	<ul style="list-style-type: none"> <li>POP3/S, SMTP/S, IMAP/S</li> <li>Configurable scan levels</li> <li>GlobalView Cloud using Recurrent Pattern Detection (RPD) – spam detection based on the e-mail distribution patterns</li> <li>Blacklists / whitelists</li> <li>Automatic e-mail rejection/deletion</li> </ul> <p>*) available for LANCOM R&amp;S®Unified Firewall UF-60, UF-160, UF-260, UF-300, UF-500, and UF-9XX</p>
IDS (Intrusion Detection System) / IPS (Intrusion Prevention System)*		✓	<ul style="list-style-type: none"> <li>Protection from DoS, port scans, malware, botnets, exploits, and vulnerabilities</li> <li>More than 40,000 active signatures</li> <li>Configurable exceptions</li> <li>Scans all interfaces</li> </ul> <p>*) available for LANCOM R&amp;S®Unified Firewall UF-60, UF-160, UF-260, UF-300, UF-500, and UF-9XX</p>
Proxies	HTTP VoIP	✓	<ul style="list-style-type: none"> <li>HTTPS, FTP, POP3/S, SMTP/S, IMAP/S, SIP</li> <li>HTTP (transparent/non-transparent)</li> <li>Reverse proxy</li> <li>Supports Active Directory and local users</li> <li>Time-controlled</li> </ul>
LAN/WAN support	✓	✓	<ul style="list-style-type: none"> <li>Ethernet 10/100/1,000/10,000 Mbps</li> <li>Configurable MTU (Ethernet/DSL)</li> <li>Link aggregation</li> <li>xDSL</li> <li>Multi-WAN (weighted policy-based routing/failover)</li> <li>Load balancing</li> <li>Time restrictions for Internet connections</li> <li>Multiple, dynamic DNS support</li> <li>DHCP</li> <li>DMZ</li> <li>SNAT</li> </ul>
VLAN	✓	✓	<ul style="list-style-type: none"> <li>4096 VLANs per interface</li> <li>802.1q header tagging (packet-based tagged VLANs)</li> <li>Compatible with bridging</li> </ul>
Bridge mode	✓	✓	<ul style="list-style-type: none"> <li>Layer-2 firewall</li> <li>Spanning Tree (bridge ID, port costs)</li> <li>Unlimited number of interfaces per bridge</li> </ul>
Monitoring & statistics	✓	✓	<ul style="list-style-type: none"> <li>Statistics (IDS/IPS, application control, surf control, antivirus/antispam)</li> <li>Logging to external syslog servers</li> <li>Export as CSV and XLS files</li> <li>SNMP/v2c and v3</li> <li>Connection tracking</li> </ul>
Administration	✓	✓	<ul style="list-style-type: none"> <li>Object-oriented configuration</li> <li>Role-based administration</li> <li>Command-line interface (SSH)</li> <li>Saves desktop as PDF and HTML</li> <li>IP-based access restriction for SSH and web client</li> </ul>

# LANCOM R&S® Unified Firewalls

Features	Basic License	Full License	Feature description
Web interface	✓	✓	Self-explanatory functions Practical wizard for initial setup Overview of the entire network Overview of all active services Browser-based, platform-independent View filtering based on custom tags
QoS	✓	✓	Guaranteed QoS bandwidth configurable for Internet connections QoS with ToS flags QoS in VPN connections
X.509 certificates	✓	✓	CRL (Certificate Revocation List) OCSP (Online Certificate Status Protocol) – network protocol for X.509 certificate status validation Multi-CA support Multi-host certificate support
VPN	✓	✓	User authentication High availability Site-to-site and client-to-site Client configuration packages
IPSec	✓	✓	Full-tunnel mode IKEv1, IKEv2 PSK (pre-shared key) / certificates DPD (Dead Peer Detection) NAT-T XAUTH, EAP Port configuration
SSL-VPN	✓	✓	Routing mode VPN Bridging mode VPN TCP/UDP Specification of WINS and DNS servers
Backup and restore	✓	✓	Local or remote access Automatic import during installation Automatic and scheduled backups Automatic upload (FTP, SCP) Disaster recovery from USB drive
User authentication	✓	✓	Active Directory import Local user administration Authentication via web or client Single sign-on (Kerberos) Multiple logins Captive portal Terminal Server Support (via Remote Desktop IP Virtualization)
HA (High availability)*	✓	✓	A second Unified Firewall of the same type is required Stateful failover Active/passive Hot standby *) available for LANCOM R&S® Unified Firewall UF-60, UF-160, UF-260, UF-300, UF-500, and UF-9XX

# LANCOM R&S® Unified Firewalls

Warranty		
Warranty claim	3 years	
Hardware Appliances		Item no.
LANCOM R&S Unified Firewall UF-50	Next-generation firewall, 4x GE, UF-50 Basic License mandatory for operation	55001
LANCOM R&S Unified Firewall UF-60	Next-generation UTM firewall, 4x GE, IPSec VPN (5 channels / 25 opt.), UF-60 Basic License or Full License mandatory for operation	55002
LANCOM R&S Unified Firewall UF-160	Next-generation UTM firewall, 4x GE, IPSec VPN (25 channels / 50 opt.), UF-1XX Basic License or Full License mandatory for operation	55012
LANCOM R&S Unified Firewall UF-260	Next-generation UTM firewall, 4x GE, 1 x SFP, IPSec VPN (100 channels / 200 opt.), UF-2XX Basic License or Full License mandatory for operation	55024
LANCOM R&S Unified Firewall UF-300	Next-generation UTM firewall, 8x GE, incl. Rack Mount, UF-300 Basic License or Full License mandatory for operation	55031
LANCOM R&S Unified Firewall UF-500	Next-generation UTM firewall, 6x GE, slot for optional extension module (see Accessories), incl. Rack Mount, UF-500 Basic License or Full License mandatory for operation	55041
LANCOM R&S Unified Firewall UF-910	Next-generation UTM firewall, 8x GE, 2 slots for optional extension modules (see Accessories), incl. Rack Mount, UF-9XX Basic License or Full License mandatory for operation	55051
Accessories		Item no.
LANCOM Firewall Rack Mount UF-50	Mounting material for UF-50 for installation in a 19" rack, occupies one height unit	55119
LANCOM Firewall Rack Mount UF-60	Mounting material for UF-60 for installation in a 19" rack, occupies one height unit	55128
LANCOM Firewall Rack Mount UF-100/200	Mounting material for UF-100/200 for installation in a 19" rack, occupies one height unit	55120
LANCOM Firewall Rack Mount UF-160/260	Mounting material for UF-160/260 for installation in a 19" rack, occupies one height unit	55125
LANCOM Firewall Extension Module 8x 1G GE	UF extension module for UF-500 & UF-9XX, 8x 1G ETH / RJ45	55121
LANCOM Firewall Extension Module 4x 1G SFP	UF extension module for UF-500 & UF-9XX, 4x 1G SFP	55122
LANCOM Firewall Extension Module 4x 10G SFP+	UF extension module for UF-500 & UF-9XX, 4x 10G SFP+	55123
LANCOM Firewall Extension Module 2x 10G GE	UF extension module for UF-500 & UF-9XX, 2x 10G ETH / RJ45	55126
LANCOM Firewall Extension Module 2x 10G SFP+	UF extension module for UF-500 & UF-9XX, 2x 10G SFP+	55127
Options		Item no.
LANCOM Warranty Basic Option	Option for extending the manufacturer warranty from 3 to 5 years. > S for UF-50, UF-60, UF-1XX, UF-2XX > M for UF-300 > L for UF-500 > XL for UF-9XX	10710 10711 10712 10713
LANCOM Warranty Advanced Option	Option for extending the manufacturer warranty from 3 to 5 years, and advanced replacement on hardware failure. > S for UF-50, UF-60, UF-1XX, UF-2XX > M for UF-300 > L for UF-500 > XL for UF-9XX	10715 10716 10717 10718
LANCOM Service Pack 24/7	Direct support access, 24/7 availability and 30 min response SLA (for major incidents), next working day advance replacement within warranty (EU only) > S for UF-50, UF-60, UF-1XX, UF-2XX, and selected devices (see website), runtime 1/3/5 year(s) > M for UF-300 and selected devices (see website), runtime 1/3/5 year(s) > L for UF-500 and selected devices (see website), runtime 1/3/5 year(s) > XL for devices of the XL service category, runtime 1/3/5 year(s)	10230/...34/...38 10231/...35/...39 10232/...36/...40 10233/...37/...41
LANCOM Firewall Jump Start Smart	Remote support by a technician during commissioning of your new LANCOM R&S Unified Firewall, recommended for KMU installations, initial setup of a LANCOM predefined scenario, demo of UTM functions	10110
LANCOM Firewall Jump Start Enterprise	Remote support by a technician during commissioning of your new LANCOM R&S Unified Firewall. Initial setup of an even more complex scenario, opt. LMC integration, setup of HA cluster, demo of UTM functions & handover report	10109
LANCOM VPN 25 Option	IPSec VPN upgrade to 25 active VPN channels, for UF-60	60083
LANCOM VPN 50 Option	IPSec VPN upgrade to 50 active VPN channels, for UF-160	61405
LANCOM VPN 100 Option	IPSec VPN upgrade to 100 active VPN channels, for UF-160	61407
LANCOM VPN 200 Option	IPSec VPN upgrade to 200 active VPN channels, for UF-260	61404

# LANCOM R&S® Unified Firewalls

Licenses LANCOM Management Cloud		Item no.
License category B	UF-50, UF-60, UF-1XX, UF-2XX  LANCOM Management Cloud license for the management & monitoring of a category B device. Specification of the LMC project ID and project information needed, incl. updates.  Available with validity periods as follows: > 1 year LANCOM LMC-B-1Y > 3 years LANCOM LMC-B-3Y > 5 years LANCOM LMC-B-5Y	50103 50104 50105
License category C	UF-300  LANCOM Management Cloud license for the management & monitoring of a category C device. Specification of the LMC project ID and project information needed, incl. updates.  Available with validity periods as follows: > 1 year LANCOM LMC-C-1Y > 3 years LANCOM LMC-C-3Y > 5 years LANCOM LMC-C-5Y	50106 50107 50108
License category D	UF-500, UF-9XX  LANCOM Management Cloud license for the management & monitoring of a category D device. Specification of the LMC project ID and project information needed, incl. updates.  Available with validity periods as follows: > 1 year LANCOM LMC-D-1Y > 3 years LANCOM LMC-D-3Y > 5 years LANCOM LMC-D-5Y	50109 50110 50111
Licenses (Basic)		Item no.
<b>You can check the current license status at any time in the Web GUI of your firewall in the "Licenses" section! Please note that once a license has expired, configuration changes are no longer possible and the entitlement to support and software updates no longer applies.</b>		
LANCOM R&S UF-50-1Y Basic License (1 Year)	License for activating firewall functionalities of the UF-50, SSL Insp., Content Filter, incl. updates, runtime 1 year	55098
LANCOM R&S UF-50-3Y Basic License (3 Years)	License for activating firewall functionalities of the UF-50, SSL Insp., Content Filter, incl. updates, runtime 3 years	55099
LANCOM R&S UF-50-5Y Basic License (5 Years)	License for activating firewall functionalities of the UF-50, SSL Insp., Content Filter, incl. updates, runtime 5 years	55100
LANCOM R&S UF-60-1Y Basic License (1 Year)	License for activating basic firewall functionalities (up to layer 4) of the UF-60, incl. VPN and user mgmt., incl. updates, runtime 1 year	55080
LANCOM R&S UF-60-3Y Basic License (3 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-60, incl. VPN and user mgmt., incl. updates, runtime 3 years	55081
LANCOM R&S UF-60-5Y Basic License (5 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-60, incl. VPN and user mgmt., incl. updates, runtime 5 years	55082
LANCOM R&S UF-1XX-1Y Basic License (1 Year)	License for activating basic firewall functionalities (up to layer 4) of the UF-1XX, incl. VPN and user mgmt., incl. updates, runtime 1 year	55083
LANCOM R&S UF-1XX-3Y Basic License (3 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-1XX, incl. VPN and user mgmt., incl. updates, runtime 3 years	55084
LANCOM R&S UF-1XX-5Y Basic License (5 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-1XX, incl. VPN and user mgmt., incl. updates, runtime 5 years	55085
LANCOM R&S UF-2XX-1Y Basic License (1 Year)	License for activating basic firewall functionalities (up to layer 4) of the UF-2XX, incl. VPN and user mgmt., incl. updates, runtime 1 year	55086
LANCOM R&S UF-2XX-3Y Basic License (3 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-2XX, incl. VPN and user mgmt., incl. updates, runtime 3 years	55087
LANCOM R&S UF-2XX-5Y Basic License (5 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-2XX, incl. VPN and user mgmt., incl. updates, runtime 5 years	55088
LANCOM R&S UF-300-1Y Basic License (1 Year)	License for activating basic firewall functionalities (up to layer 4) of the UF-300, incl. VPN and user mgmt., incl. updates, runtime 1 year	55089
LANCOM R&S UF-300-3Y Basic License (3 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-300, incl. VPN and user mgmt., incl. updates, runtime 3 years	55090
LANCOM R&S UF-300-5Y Basic License (5 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-300, incl. VPN and user mgmt., incl. updates, runtime 5 years	55091
LANCOM R&S UF-500-1Y Basic License (1 Year)	License for activating basic firewall functionalities (up to layer 4) of the UF-500, incl. VPN and user mgmt., incl. updates, runtime 1 year	55092
LANCOM R&S UF-500-3Y Basic License (3 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-500, incl. VPN and user mgmt., incl. updates, runtime 3 years	55093
LANCOM R&S UF-500-5Y Basic License (5 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-500, incl. VPN and user mgmt., incl. updates, runtime 5 years	55094



# LANCOM R&S® Unified Firewalls

LANCOM R&S UF-9XX-1Y Basic License (1 Year)	License for activating basic firewall functionalities (up to layer 4) of the UF-9XX, incl. VPN and user mgmt., incl. updates, runtime 1 year	55095
LANCOM R&S UF-9XX-3Y Basic License (3 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-9XX, incl. VPN and user mgmt., incl. updates, runtime 3 years	55096
LANCOM R&S UF-9XX-5Y Basic License (5 Years)	License for activating basic firewall functionalities (up to layer 4) of the UF-9XX, incl. VPN and user mgmt., incl. updates, runtime 5 years	55097
<b>Licenses (Full)</b>		<b>Item no.</b>
<b>You can check the current license status at any time in the Web GUI of your firewall in the "Licenses" section! Please note that once a license has expired, configuration changes are no longer possible and the entitlement to support and software updates no longer applies.</b>		
LANCOM R&S UF-60-1Y Full License (1 Year)	License for activating UTM- and firewall functionalities of the UF-60, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 1 year	55077
LANCOM R&S UF-60-1Y Full License (3 Years)	License for activating UTM- and firewall functionalities of the UF-60, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 3 years	55078
LANCOM R&S UF-60-1Y Full License (5 Years)	License for activating UTM- and firewall functionalities of the UF-60, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 5 years	55079
LANCOM R&S UF-1XX-1Y Full License (1 Year)	License for activating UTM- and firewall functionalities of the UF-1XX, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS for UF-160, incl. updates, runtime 1 year	55101
LANCOM R&S UF-1XX-3Y Full License (3 Years)	License for activating UTM- and firewall functionalities of the UF-1XX, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS for UF-160, incl. updates, runtime 3 years	55102
LANCOM R&S UF-1XX-5Y Full License (5 Years)	License for activating UTM- and firewall functionalities of the UF-1XX, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS for UF-160, incl. updates, runtime 5 years	55103
LANCOM R&S UF-2XX-1Y Full License (1 Year)	License for activating UTM- and firewall functionalities of the UF-2XX, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 1 year	55104
LANCOM R&S UF-2XX-3Y Full License (3 Years)	License for activating UTM- and firewall functionalities of the UF-2XX, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 3 years	55105
LANCOM R&S UF-2XX-5Y Full License (5 Years)	License for activating UTM- and firewall functionalities of the UF-2XX, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 5 years	55106
LANCOM R&S UF-300-1Y Full License (1 Year)	License for activating UTM- and firewall functionalities of the UF-300, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 1 year	55107
LANCOM R&S UF-300-3Y Full License (3 Years)	License for activating UTM- and firewall functionalities of the UF-300, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 3 years	55108
LANCOM R&S UF-300-5Y Full License (5 Years)	License for activating UTM- and firewall functionalities of the UF-300, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 5 years	55109
LANCOM R&S UF-500-1Y Full License (1 Year)	License for activating UTM- and firewall functionalities of the UF-500, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 1 year	55110
LANCOM R&S UF-500-3Y Full License (3 Years)	License for activating UTM- and firewall functionalities of the UF-500, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 3 years	55111
LANCOM R&S UF-500-5Y Full License (5 Years)	License for activating UTM- and firewall functionalities of the UF-500, sandboxing, machine learning, AV/Malware Protection, SSL Insp., incl. DPI and IDS/IPS, incl. updates, runtime 5 years	55112
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