AIMdefense
Next Generation Firewall

ASSEMBLED IN GERMANY

	AIMdefense FW 75	AIMdefense FW 550	AIMdefense FW 950	AIMdefense FW 2000	AIMdefense FW 2500	AIMdefense FW 3000
Form Factor	Desktop	Desktop	1U 19" Rackmount	1U 19" Rackmount	1U 19" Rackmount	1U 19" Rackmount
Processor	Intel® Atom® X6413E	Intel® Atom® C3558	Intel® Core i5 12500	Intel® Core i7-12700	AMD® EPYC 7402C	Intel® Xeon® Gold 6326
Memory	8 GB	8 GB	16 GB	2 x 16 GB	4 x 16 GB	8 x 16 GB
Ethernet Ports	4 x 2.5 GbE RJ45	4 x GbE RJ45 Intel® SoC Integrated MAC 2 x GbE RJ45 Intel® i350 and 2 x GbE SFP Intel® i350	1 x GbE RJ45 With LED MGMT Via i219 8 x 2.5GbE RJ45 With LED Via i226	1 x GbE RJ45 With LED MGMT Via i219 8 x 2.5GbE RJ45 With LED Via i226	1 x GbE RJ45 Intel i210	1 x GbE RJ45 Intel i210
Storage	256 GB	256 GB	240 GB	240 GB	500 GB S-ATA	960 GB S-ATA
Cooling	Fanless	Passive CPU Heatsink	Passive CPU Heatsink	Passive CPU Heatsink	Passive CPU Heatsink	Passive CPU Heatsink
Power supply	40W Power Adapter	60W Power Adapter	220W ATX Single PSU	220W ATX Single PSU	550W 1+1 ATX Redundant PSUs	550W 1+1 ATX Redundant PSUs
Dimensions	183 x 32 x 168 mm	231 x 200 x 44 mm	438 x 321 x 44 mm	438 x 321 x 44 mm	739 x 582 x 215 mm	438 x 610 x 44 mm
Weight	0,9 kg	2.75 kg	19,3 kg	19,3 kg	10.5kg	10.5kg
Certifications	CE/FCC Class B (Class A with PoE)	RoHS, CE/FCC CLASS B, UL, VCCI, RCM, CCC, PTCRB, ODI, MBTC	RoHS, CE/FCC Class A, UKCA, UL	RoHS, CE/FCC Class A, UKCA, UL	RoHS, CE/FCC, UL	RoHS, CE/FCC, UL
Warranty	3 / 5 Years	3 / 5 Years	3 /5 Years	3 / 5 Years	3 / 5 Years	3 / 5 Years

The AIMdefense Firewalls give you the highest possible transparency, protection
and performance to master the security of your network with ease.
Phishing, Malware, Ransomware and other unwanted traffic and attackers are analyzed, cleaned and blocked.
The dramatic increase in bandwidth usage, encrypted data traffic, video deployment and transmission speeds
required an effective, cost-effective Securing your networks.
For these requirements, this AIMdefense Firewall is your ultimate solution
- all assembled in Germany!

	AIMdefense FW 75	AIMdefense FW 550	AIMdefense FW 950	AIMdefense FW 2000	AIMdefense FW 2500	AIMdefense FW 3000
Network						
IPv4 und IPv6	✓	✓	✓	✓	✓	✓
Link Aggregation (LACP)	✓	✓	✓	✓	✓	✓
Multi-WAN incl. Loadbalancing and Failover	✓	✓	✓	✓	✓	✓
VLAN und VXLAN	✓	✓	✓	✓	✓	✓
NTP	✓	✓	✓	✓	✓	✓
Access Control	✓	✓	✓	✓	✓	✓
DHCP/DNS						
DHCPv4 und DHCPv6 mit Relay und BOOTP Support	✓	✓	✓	✓	✓	✓
Dynamic DNS	✓	✓	✓	✓	✓	✓
Caching DNS incl. Host/Domain Overwrites	✓	✓	✓	✓	✓	✓
DNS Blacklists	✓	✓	✓	✓	✓	✓
Access Control	✓	✓	✓	✓	✓	✓

Firewall						
Statefull Inspection Firewall (SIF)	✓	✓	✓	✓	✓	✓
Operation System Fingerprinting (OSFP)	✓	✓	✓	✓	✓	✓
Network Address Translating (NAT)	✓	✓	✓	✓	✓	✓
Rulebased Limitation of Equal Connections	✓	✓	✓	✓	✓	✓
Packet Normalisation	✓	✓	✓	✓	✓	✓
Opt. Activation of Protocol per Rule	✓	✓	✓	✓	✓	✓
Policy Based Routing	✓	✓	✓	✓	✓	✓
Grouping via Aliase	✓	✓	✓	✓	✓	✓
Categorisaton of Rules Lines	✓	✓	✓	✓	✓	✓
DROP and EDROP	✓	✓	✓	✓	✓	✓
GeoIP	✓	✓	✓	✓	✓	✓
Controle of Connection Status	✓	✓	✓	✓	✓	✓
Pure Router Usage without Firewall	✓	✓	✓	✓	✓	✓
Additional Diagnostic Tools	✓	✓	✓	✓	✓	✓
ICM Defense						
ICM Defense Basic, Basic Alias / VOIP	✓	✓	✓	✓	✓	✓
ICM Defense Advanced, Abuse / Attack / Compromised / Malicious / Malware / Phising / Proxies	✓	✓	✓	✓	✓	✓

VPN						
IPsec mit IKEv1, IKEv2, NAT-T, DPD	✓	✓	✓	✓	✓	✓
OpenVPN	✓	✓	✓	✓	✓	✓
WireGuard	✓	✓	✓	✓	✓	✓
Stunnel	✓	✓	✓	✓	✓	✓
Traffic Shaper / QOS						
Rule based Matching	✓	✓	✓	✓	✓	✓
Bandwidth Management	✓	✓	✓	✓	✓	✓
Bandwith Sharing	✓	✓	✓	✓	✓	✓
Priorisation Regardless Firewall Rules	✓	✓	✓	✓	✓	✓
Intrusion Detection Systems and Prevention Systems (IDS/IPS)						
Deep Packet Inspection	✓	✓	✓	✓	✓	✓
SSL Fingerprinting	✓	✓	✓	✓	✓	✓
Captive Portal (Guest Network, BYOD)						
Several Zones	✓	✓	✓	✓	✓	✓
Templates for own Corporate Identity	✓	✓	✓	✓	✓	✓
Authentification via LDAP, Radius, Local User Manager	✓	✓	✓	✓	✓	✓
Vouchers and Tickets	✓	✓	✓	✓	✓	✓
Splash Screen Only	✓	✓	✓	✓	✓	✓
Timeout/Welcome Back	✓	✓	✓	✓	✓	✓
Bandwidth Management	✓	✓	✓	✓	✓	✓
Portal Bypass	✓	✓	✓	✓	✓	✓
Realtime Reporting	✓	✓	✓	✓	✓	✓

SCALABLE CYBERSECURITY TECHNOLOGY

High Availability						
Automatic Hardware Failover	✓	✓	✓	✓	✓	✓
Synchronisation Configuration	✓	✓	✓	✓	✓	✓
Synchronised Connection Status	✓	✓	✓	✓	✓	✓
High Availability, Single Instance CARP	✓	✓	✓	✓	✓	✓
Monitoring						
SNMP	✓	✓	✓	✓	✓	✓
Netflow Exporter	✓	✓	✓	✓	✓	✓
Netflow Analyser	✓	✓	✓	✓	✓	✓
Netflow CVS Export	✓	✓	✓	✓	✓	✓
Two-factor Authentication (2FA)						
Time-based One-time Password (TOTP)	✓	✓	✓	✓	✓	✓
Google Authenticator	✓	✓	✓	✓	✓	✓
For Captive Portal, Proxy, VPN and WebGUI	✓	✓	✓	✓	✓	✓
Virus Scanner						
Internet Content Adaption Protocol (ICAP)	✓	✓	✓	✓	✓	✓
ClamAV	✓	✓	✓	✓	✓	✓
For Email	✓	✓	✓	✓	✓	✓
For Webproxy	✓	✓	✓	✓	✓	✓
Webproxy						
HTTP, HTTPS, FTP und WebDAV	✓	✓	✓	✓	✓	✓
SSH, SCP und SFTP	✓	✓	✓	✓	✓	✓
Caching Proxy	✓	✓	✓	✓	✓	✓

DATA MATRIX

Multi-Interface	✓	✓	✓	✓	✓	✓
Transparent Modus	✓	✓	✓	✓	✓	✓
TLS/SSL Inspection	✓	✓	✓	✓	✓	✓
Automatic Configuration via WPAD/PAC	✓	✓	✓	✓	✓	✓
Access Control Lists (ACLs)	✓	✓	✓	✓	✓	✓
Blacklists	✓	✓	✓	✓	✓	✓
Webfilter, Categorised	✓	✓	✓	✓	✓	✓
Traffic Management	✓	✓	✓	✓	✓	✓
Single-Sign-On (SSO) for LDAP, MS AD, Radius, others	✓	✓	✓	✓	✓	✓
Virenscan via ICAP	✓	✓	✓	✓	✓	✓
Reverse Proxy						
HTTP, HTTPS and FTP	✓	✓	✓	✓	✓	✓
SMTP, POP3 and IMAP	✓	✓	✓	✓	✓	✓
TCP and UDP Data Streams	✓	✓	✓	✓	✓	✓
Load Balancer and Failover	✓	✓	✓	✓	✓	✓
WAF	✓	✓	✓	✓	✓	✓
SNI Based Routing	✓	✓	✓	✓	✓	✓
Certificate Management						
Integrated Managened of Certificates	✓	✓	✓	✓	✓	✓
Self-Signed	✓	✓	✓	✓	✓	✓
Let's Encrypt	✓	✓	✓	✓	✓	✓

Additional Services						
Internet Group Management Protocol (IGMP)	✓	✓	✓	✓	✓	✓
Radius	✓	✓	✓	✓	✓	✓
Link Layer Discovery Protocol (LLDP)	✓	✓	✓	✓	✓	✓
VOIP SIP Proxy	✓	✓	✓	✓	✓	✓
Firmware / Updates						
REST API	✓	✓	✓	✓	✓	✓
Easy Upgrade	✓	✓	✓	✓	✓	✓
Complete Documentation	✓	✓	✓	✓	✓	✓

		Optional	**Additional**	**Modulex**		
Email / Mail Proxy						
Multidomain SMTP-Relay	✓	✓	✓	✓	✓	✓
Rewriting of Adresses	✓	✓	✓	✓	✓	✓
Header Checks	✓	✓	✓	✓	✓	✓
ICM Fetch Mail Plugin inclusive Multidrop	✓	✓	✓	✓	✓	✓
Email Spam and Maleware Filter						
Blocked Data Endings	✓	✓	✓	✓	✓	✓
Graylisting	✓	✓	✓	✓	✓	✓
SPF	✓	✓	✓	✓	✓	✓
DKIM	✓	✓	✓	✓	✓	✓
MX-Check	✓	✓	✓	✓	✓	✓
Phishing	✓	✓	✓	✓	✓	✓
Rate-Limits	✓	✓	✓	✓	✓	✓

Spam-Trap	✓	✓	✓	✓	✓	✓
RBL	✓	✓	✓	✓	✓	✓
SURBL	✓	✓	✓	✓	✓	✓
Virusscan	✓	✓	✓	✓	✓	✓
üICM RSPAMD Additional Modules						
ICM RSPAMD Module, Improofed by Experience from SPAM E-Mails Integragtion of Purchased Lists (HAM + SPAM)	✓	✓	✓	✓	✓	✓
Ubiquiti Unifi Controller						
Ubiquiti Unifi Controller		✓	✓	✓	✓	✓
Host Routes						
Host Routes		✓	✓	✓	✓	✓