



FIMdefense Next Generation Firewall

ASSEMBLED IN GERMANY



AIMdefense FW 75

Desktop



Processor	r	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 su	ipply	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
Dimensio	ons	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
Certificati	ions	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 AlMdefense 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	•	•	•	V	V	•
DHCP/DNS						
DHCPv4 und DHCPv6	✓	✓	✓	✓	✓	✓
mit Relay und BOOTP Support						
Dynamic DNS	✓	✓	✓	✓	✓	✓
Caching DNS incl.		,	,	,	,	,
Host/Domain	✓	√	√	√	√	✓
Overwrites		,	,	,	/	/
DNS Blacklists	V	V	V	V	V	V
Access Control	✓	✓	✓	✓	✓	✓



State-full Inspection							
Firewall(SIF)	Firewall						
Fingerprinting (OSFP) Network Address Translating (NAT) Rulebased Limitation of Equal Comections Packet Normalisation Opt. Activation of Protocol per Rule Policy Based Routing Grouping via Aliase Categorisation of Rules Lines DROP and EDROP Geoil Formalisation Controle of Connection Status Pure Router Usage without Firewall Additional Diagnostic Tools ICM Defense ICM Defens		√	✓	✓	✓	✓	✓
Translating (NAT) Rulebased Limitation of Equal Connections Packet Normalisation Opt. Activation of Protocol per Rule Policy Based Routing Grouping via Aliase Categorisation of Rules Lines DROP and EDROP GeolP Controle of Connection Status Pure Router Usage without Firewall Additional Diagnostic Tools ICM Defense Basic, Basic Alias / VOIP ICM Defense Advanced, Abuse / Attack / Compromised / Ablicious / Malware /	Fingerprinting (OSFP)	✓	✓	✓	✓	✓	✓
Equal Connections Packet Normalisation V V V V V V V V V V V V V V V V V V V	Translating (NAT)	✓	✓	✓	✓	✓	✓
Opt. Activation of Protocol per Rule /		✓	✓	✓	✓	✓	✓
Protocol per Rule Policy Based Routing ' ' ' ' ' ' Grouping via Aliase Categorisation of Rules Lines DROP and EDROP GeolP Controle of Connection Status Pure Router Usage without Firewall Additional Diagnostic Tools ICM Defense Basic, Basic Alias / VOIP ICM Defense Advanced, Abuse / Attack / Compromised / Abuse / Attack / Compromised / Malicious / Malware /	Packet Normalisation	✓	✓	✓	✓	✓	✓
Policy Based Routing Grouping via Aliase Categorisaton of Rules Lines DROP and EDROP FORD AND AND AND AND AND AND AND AND AND AN		✓	✓	✓	✓	✓	✓
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 /		✓	✓	✓	✓	✓	✓
Lines DROP and EDROP GeolP V V V V V V V 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 /	Grouping via Aliase	✓	✓	✓	✓	✓	✓
DROP and EDROP GeoIP Y Y Y Y Y Y Y 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 /		✓	✓	✓	✓	✓	√
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 /		✓	✓	✓	✓	✓	✓
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 /	GeoIP	✓	✓	✓	✓	✓	✓
without Firewall Additional Diagnostic Tools ICM Defense ICM Defense Basic, Basic Alias / VOIP ICM Defense Advanced, Abuse / Attack / Compromised / Malicious / Malware /		√	✓	✓	✓	✓	✓
Tools ICM Defense ICM Defense Basic, Basic Alias / VOIP ICM Defense Advanced, Abuse / Attack / Compromised / Malicious / Malware /	without Firewall	✓	✓	✓	✓	✓	✓
ICM Defense Basic, Basic Alias / VOIP ICM Defense Advanced, Abuse / Attack / Compromised /		✓	✓	✓	✓	✓	✓
Basic Alias / VOIP ICM Defense Advanced, Abuse / Attack / Compromised /	ICM Defense						
Abuse / Attack / Compromised /		✓	✓	✓	✓	✓	✓
Compromised / ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ Malicious / Malware /							
	Compromised /	√	✓	✓	✓	✓	✓



Pises mit Ke/1, Ke/2,							
NAT_DBD	VPN						
OpenVPN Y </th <th></th> <th>-/</th> <th>-</th> <th>./</th> <th>-/</th> <th>./</th> <th>-/</th>		-/	-	./	-/	./	-/
WireGuard Common Composed Presentation (Composed Recomposed		v	•	•	v	•	v
Stune		√	√	√	√	√	✓
Traffic Shaper / QOS Rule based Matching		√	✓	✓	✓	✓	✓
Rule based Matching Bandwidth Management Bandwidth Sharing Management Bandwidth Sharing Management Bandwidth Sharing Management Bandwidth Sharing Management Priorisation Regardless Firewall Rules Firewall Rules Firewall Rules Firewall Rules Management M	Stunnel	✓	✓	✓	✓	✓	✓
Bandwidth	Traffic Shaper / QOS						
Management Bandwith Sharing Priorisation Regardless Firewall Rules Intrusion Detection Systems (IDS/IPS) Deep Packet Inspection Systems (IDS/IPS) Deep Packet Inspection Systems (IDS/IPS) Several Zones Templates for own Corporate Identity Authentification via LDAP, Radius, Local User Manager Voucher's and Tickets Splash Screen Only Splash Screen Only Timeout/Welcome Back Bandwidth Amanagement Portal Bypass Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	Rule based Matching	✓	✓	✓	✓	✓	✓
Bandwith Sharing Priorisation Regardless Friewall Rules Intrusion Detection Systems and Prevention Systems and Prevention Systems (IDS/IPS) SEE Fringerpinting See Packet Inspection Systems (IDS/IPS) Captive Portal (Guest New York) Several Zones Several	Bandwidth	✓	✓	✓	✓	✓	✓
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 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	Management						
Firewall Rules Intrusion Detection Systems and Prevention Systems (IDS/IPS) Deep Packet Inspection SSL Fingerprinting Captive Portal (Guest Network, BYOD) Several Zones Fumplates for own Corporate Identity Authentification via LDAP, Radius, Local USer Manager Vouchers and Tickets Splash Screen Only Timeout/Welcome Back Bandwidth Management Portal Bypass Y		√	✓	✓	✓	✓	✓
Intrusion Detection Systems and Prevention Systems (IDS/IPS) Deep Packet Inspection SSL Fingerprinting V V V V V 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 V V V V V V V V V V V V V V V V V V		√	✓	✓	✓	✓	✓
Systems and Prevention Systems (IDS/IPS) Deep Packet Inspection							
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 Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y							
Captive Portal (Guest Network, BYOD) Several Zones Y Y Y Y Y Y Templates for own Corporate Identity Authentification via LDAP, Radius, Local User Manager Vouchers and Tickets Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		✓	✓	✓	✓	✓	✓
Network, BYOD) Several Zones Templates for own Corporate Identity Authentification via LDAP, Radius, Local User Manager Vouchers and Tickets Y Y Y Y Y Y Y Y Y Y Y Y Y	SSL Fingerprinting	✓	✓	✓	✓	✓	✓
Several Zones Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	Captive Portal (Guest						
Templates for own Corporate Identity Authentification via LDAP, Radius, Local User Manager Vouchers and Tickets Y Y Y Y Y Y Y Y Y Y Y Y Y							
Corporate Identity Authentification via LDAP, Radius, Local User Manager Vouchers and Tickets Splash Screen Only Timeout/Welcome Back Bandwidth Management Portal Bypass V V V V V V V V V V V V V V V V V V		√	√	✓	✓	✓	✓
Authentification via LDAP, Radius, Local User Manager Vouchers and Tickets Y Splash Screen Only Timeout/Welcome Back Bandwidth Management Portal Bypass Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		√	✓	✓	✓	✓	✓
LDAP, Radius, Local User Manager Vouchers and Tickets Splash Screen Only Timeout/Welcome Back Bandwidth Management Portal Bypass V V V V V V V V V V V V							
User Manager Vouchers and Tickets Vouchers		✓	✓	✓	✓	✓	✓
Vouchers and Tickets ✓ ✓ ✓ ✓ ✓ Splash Screen Only ✓ ✓ ✓ ✓ ✓ Timeout/Welcome Back ✓ ✓ ✓ ✓ ✓ ✓ Bandwidth ✓ ✓ ✓ ✓ ✓ ✓ Management Ortal Bypass ✓ ✓ ✓ ✓ ✓ ✓							
Timeout/Welcome Back Sandwidth Management Portal Bypass		✓	✓	✓	✓	✓	\checkmark
Timeout/Welcome Back Sandwidth Management Portal Bypass	Splash Screen Only	✓	✓	✓	✓	✓	✓
Bandwidth Management Portal Bypass V V V V V V V V V V V V		✓	✓	✓	✓	✓	✓
Management Portal Bypass ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		✓	✓	✓	✓	✓	✓
Realtime Reporting	Portal Bypass	✓	✓	✓	✓	✓	✓
	Realtime Reporting	✓	✓	✓	✓	✓	✓



High Availability						
Automatic Hardware	<u> </u>	<u> </u>	√	✓	√	<u> </u>
Failover	•	•	•	•	•	•
Synchronisation	•	•	V	V	V	•
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	•	•	V	V	V	•
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	✓	✓	✓	✓	✓	✓



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				,		
JIVITI, I OI J alla liviAl	√	✓	✓	✓	✓	✓
TCP and UDP Data	✓	✓	√	√	√ ✓	√
	* *	✓ ✓	✓ ✓	* *	✓ ✓	✓ ✓
TCP and UDP Data Streams Load Balancer and	* * *	✓ ✓ ✓	✓ ✓ ✓	✓ ✓	* * *	✓ ✓ ✓
TCP and UDP Data Streams Load Balancer and Failover	✓ ✓ ✓	* * * *	* * * *	* * * *	* * * *	✓ ✓ ✓
TCP and UDP Data Streams Load Balancer and Failover WAF	✓✓✓	* * * * *	* * * * *	✓ ✓ ✓	* * * * *	* * * * *
TCP and UDP Data Streams Load Balancer and Failover WAF SNI Based Routing	✓ ✓ ✓	✓ ✓ ✓	* * * *	✓ ✓ ✓	* * * * *	✓ ✓ ✓
TCP and UDP Data Streams Load Balancer and Failover WAF SNI Based Routing Certificate Management Integrated Managened	 ✓ ✓ ✓ ✓ ✓ ✓ 	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	 ✓ ✓ ✓ ✓ ✓ ✓ 	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓



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		✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓