

DATASHEET

VT AIR 1200



Supported by:
Federal Ministry
for Economic Affairs
and Energy
on the basis of a decision
by the German Bundestag



Voleatech GmbH
Grathwohlstr. 5
72762 Reutlingen
Germany

+49 7121 539 550
info@voleatech.de
www.voleatech.de



Open Source Enterprise Firewall

Hardware

CPU	Intel Xeon D 2123IT, 2.2 GHz, 4 Core	Power	100-240V, Internal Power Supply
RAM	16 GB DDR4 ECC Reg	Extension	Keine
SSD	256GB M.2 MLC SSD SATA	Temperature	0C - 45C
Console	VGA	Certificates	Electromagnetic Emissions: FCC Class B, EN 55032, EN 61000-3-2/3-3, CISPR 32
NIC	2x SFP/SFP+ (10000/1000 Mbit/s) 2x RJ45 (10000/1000/100/10 Mbit/s) 4x RJ45 (1000/100/10 Mbit/s)		Electromagnetic Immunity: EN 55024 (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11)
Remote Management	1x 1Gbps RJ45 IPMI		Environmental: Directive 2011/65/EU, Deligated Directive (EU) 2015/863, and Directive 2012/19/EU
USB	2x USB 3.0		Safety: CE Marking (Europe)
Cooling	Active control chassis fans		
Size	L: 249 mm B: 437 mm H: 43 mm		

Throughput

Packages per Second

Test	Speed
XDP Offloader	~9.500.000 pps
Normal	~4.900.000 pps
Maximum Connections	~ 20.000.000

iperf3

Test	Speed
Firewall	37.74 Gb/s
App Control/Intrusion Protection ⁴	2.92 Gb/s
IPSec VPN (AES-256 GCM)	3.83 Gb/s
OpenVPN (AES-256 GCM)	1.34 Gb/s
Wireguard	4.92 Gb/s

IMIX Traffic

Test	Speed
XDP Firewall	28.02 Gb/s
Firewall	14.49 Gb/s
App Control/Intrusion Protection ⁴	3.79 Gb/s
IPSec VPN (AES-256 GCM)	1.70 Gb/s
OpenVPN (AES-256 GCM)	560 Mb/s
Wireguard	1.42 Gb/s

1. Throughput Data are based on bidirectional traffic

2. Iperf3 Traffic is TCP 1460 Bytes + TCP framing

3. IMIX Traffic is sets of UDP Traffic 7x 64 Byte packets, 4x 594 Byte packets, 1x 1514 Byte packets (Ethernet FCS not counted)

4. App Control/Intrusion Protection is Worst Case Performance