

DATENBLATT

VT AIR 1200



Gefördert durch:
Bundesministerium
für Wirtschaft
und Energie
aufgrund eines Beschlusses
des Deutschen Bundestages



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Open Source Enterprise Firewall

Hardware

| | | | |
|--------------------------|---|--------------------|--|
| CPU | Intel Xeon D 2123IT, 2.2 GHz, 4 Core | Power | 100-240V, Interne Power Supply |
| RAM | 16 GB DDR4 ECC Reg | Extension | Keine |
| SSD | 256GB M.2 MLC SSD SATA | Temperatur | 0C - 45C |
| Konsole | VGA | Zertifikate | Electromagnetic Emissions: FCC Class B, EN 55032, EN 61000-3-2/3-3, CISPR 32 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) |
| NIC | 2x SFP/SFP+ (10000/1000 Mbit/s) 2x RJ45 (10000/1000/100/10 Mbit/s) 4x RJ45 (1000/100/10 Mbit/s) | | Environmental: Directive 2011/65/EU, Deligated Directive (EU) 2015/863, and Directive 2012/19/EU |
| Remote Management | 1x 1Gbps RJ45 IPMI | | Safety: CE Marking (Europe) |
| USB | 2x USB 3.0 | | |
| Kühlung | Active control chassis fans | | |
| Maße | 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 Daten basieren auf bidirectionalem Traffic

2. Iperf3 Traffic ist TCP 1460 Bytes + TCP framing

3. IMIX Traffic besteht aus UDP Traffic 7x 64 Byte packets, 4x 594 Byte packets, 1x 1514 Byte packets (ohne Ethernet FCS)

4. App Control/Intrusion Protection ist Worst Case Performance