

# DATASHEET

## VT AIR 100



Supported by:  
Federal Ministry  
for Economic Affairs  
and Energy

on the basis of a decision  
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## Hardware

<b>CPU</b>	2 Core ARM v7 Cortex-A9 1.6 Ghz	<b>Power</b>	9V-32V Volt: 12V 2A 2,5mm Barrel Connector with turning Connector
<b>RAM</b>	1GB DDR4	<b>Extension</b>	None
<b>SSD</b>	8 GB eMMC	<b>Temperature</b>	0C - 35C
<b>Console</b>	USB Console	<b>Certificates</b>	FCC, CE, RoHS, UL, IEC-60950
<b>NIC</b>	1x SFP (1000 Mbit/s) 2x RJ45 (1000/100/10 Mbit/s)	<b>Size</b>	L: 125 mm W: 80 mm H: 30 mm
<b>USB</b>	1x USB 3.0		

## Throughput

## Packages per Second

Test	Speed
XDP Offloader	~775.000 pps
Normal	~ 450.000 pps
Maximum Connections	~ 1.000.000

## iperf3

Test	Speed
Firewall	5.10 Gb/s
App Control/Intrusion Protection <sup>4</sup>	565 Mb/s
IPSec VPN (AES-256 CBC, SHA256)	520 Mb/s
OpenVPN (AES-256 GCM)	125 Mb/s
Wireguard	500 Mb/s

## IMIX Traffic

Test	Speed
XDP Firewall	2.40 Gb/s
Firewall	1.39 Gb/s
App Control/Intrusion Protection <sup>4</sup>	290 Mb/s
IPSec VPN (AES-256 CBC, SHA256)	208 Mb/s
OpenVPN (AES-256 GCM)	50 Mb/s
Wireguard	230 Mb/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