



SPECIFICATIONS		PRODUCTS			
Feature Description	Model 1	Model 5	Model 10	Model 20	
PLATFORM					
Desktop Hardware Appliance	Virtual only	✓	✓	✓	
Virtual Appliance (Certified VMware-Ready)	✓	✓	✓	-	
Number of Licenced Emulation Ports	2	2	2	4	
Maximum Link Speed (Bandwidth) / Packet Rate	50 Mbps / (3 Mpps)*	100 Mbps / (3 Mpps)*	200 Mbps / (3 Mpps)*	1 Gbps / (5.5 Mpps)*	
NETWORK LINKS					
Link Type: LAN, WAN, Wi-Fi, (A)DSL, 2G, 3G, 4G/LTE, 5G, Satellite, Custom	✓	✓	✓	✓	
Point-to-Point	✓	✓	✓	✓	
Dual Hop (Single or Multi Link)	-	✓	✓	✓	
Multi-Link	-	✓	✓	✓	
Maximum Links	1	5	10	20	
Link Congestion to mimic busy networks	✓	✓	✓	✓	
Bidirectional Link Configuration	✓	✓	✓	✓	
Queue Size (Buffer used when data rate exceeds transmission speed)	✓	✓	✓	✓	
Layer 2 Head Size	✓	✓	✓	✓	
Decrement Packet Time To Live (TTL/Hop Limit)	✓	✓	✓	✓	
Jumbo Frame Support	✓	✓	✓	✓	
BUILT-IN INTELLIGENCE & AUTOMATION					
Geolocation Network Latency Calculator	✓	✓	✓	✓	
Database of more than 100 predefined networks, properties, types and conditions	✓	✓	✓	✓	
Network Scenario Builder & Player	-	-	✓	✓	
Command Line Interface	-	-	-	✓	
PRESENTATION, USAGE & CONTROL					
Intuitive Multi-User Web GUI including built-in hover-over help, manuals and video tutorials	✓	✓	✓	✓	
LCD Set Up & Control Panel (Hardware models only)	-	✓	✓	✓	
Graphs & Statistics Logging per link	✓	✓	✓	✓	
Multi-Tenanted	-	-	-	✓	
Connect unlimited users or test devices	✓	✓	✓	✓	
Save & share Emulations and Scenarios	✓	✓	✓	✓	
VALUE-ADDED FEATURES & OPTIONS					
Full 1st Year Support & Maintenance Included	✓	✓	✓	✓	
Upgradeable to higher spec. models via licence key	✓	✓	✓	-	
Network Profiler Ready (Hardware models only) - Capture, import & run network profiles	-	✓	✓	✓	
Ruggedized Carry Case (Optional—Hardware models only)	-	✓	✓	✓	

NETWORK IMPAIRMENTS Listed below are the principal impairments the NE-ONE can recreate. Each of these are further customizable to enhance the realism of your test setup.	Model 1	Model 5	Model 10	Model 20
Latency & Jitter:				
Gaussian (Normal Distribution) Delay	✓	✓	✓	✓
Step Delay Periodic	✓	✓	✓	✓
Step Delay Packet	✓	✓	✓	✓
Fixed Delay	✓	✓	✓	✓
Fixed Delay with Jitter	✓	✓	✓	✓
Random Delay	✓	✓	✓	✓
Inter Packet Gap	✓	✓	✓	✓
Loss:				
Random Drop with Burst	✓	✓	✓	✓
Poisson Drop	✓	✓	✓	✓
Packet Error 1 in x Bits	✓	✓	✓	✓
Burst Loss	✓	✓	✓	✓
Drop 1 in x	✓	✓	✓	✓
Random Drop	✓	✓	✓	✓
Duplicate:				
Packet Duplicate & Move	✓	✓	✓	✓
Out of Order:				
Random Packet Move Offset	✓	✓	✓	✓
Fragment:				
Fragment MTU	✓	✓	✓	✓
Bit Error:				
Error with Burst	✓	✓	✓	✓
Poisson Error	✓	✓	✓	✓
Random Packet Error	✓	✓	✓	✓
SCENARIO BUILDER NETWORK TRANSITIONS				
Gradual —changes parameters gradually (linearly)	-	-	✓	✓
Variable —changes parameters randomly	-	-	✓	✓
Outage —creates an increasingly lossy network, followed by total loss, then comes back quickly but not instantly	-	-	✓	✓
CERTIFICATION				
Hardware models are FCC/CE certified	-	✓	✓	✓
Virtual Appliance models VMware-Ready Certified	✓	✓	✓	-

* Exceeds packet rate required to be line rate for all packet sizes for licensed bandwidth