

PRODUCT SPECIFICATIONS

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	2
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	-	-	-	✓

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Presentation, Usage & Control				
Intuitive Multi-User Web GUI including built-in hover-over help; manuals & video tutorials	✓	✓	✓	✓
LCD Set Up & Control Panel (Hardware models only)	-	✓	✓	✓
Packet Capture on Ports or Links	✓	✓	✓	✓
Graphs & Statistics Logging per link	✓	✓	✓	✓
Multi-Tenanted	-	-	-	✓
Connect unlimited users or test devices	✓	✓	✓	✓
Save & Share Emulations & 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				
Latency & Jitter				
Gaussian (Normal Distribution) Delay	✓	✓	✓	✓
Step Delay Periodic	✓	✓	✓	✓
Step Delay Packet	✓	✓	✓	✓
Fixed Delay	✓	✓	✓	✓
Fixed Delay with Jitter	✓	✓	✓	✓
Random Delay	✓	✓	✓	✓
Inter Packet Gap	✓	✓	✓	✓

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Loss				
Random Loss 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 Time Reorder	✓	✓	✓	✓
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				
FCC/CE Certified (Hardware models only)	-	✓	✓	✓
VMware Ready Certified (Virtual appliances only)	✓	✓	✓	-

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