

Comparison of IWL Network Emulators	KMAX MM	KMAX C	KMAX P / V	Maxwell Pro P/V
Interfaces	10/100/1000 MBits per sec	100/1000/2500 MBits per sec	100/1000/10000 MBits per sec	100/1000/10000 MBits per sec
Interface Emulation	YES	YES	YES	YES
Up to four interfaces	NO	NO	Optional	Optional
Pre-Defined Scenarios	YES	YES	YES	YES
Protocol Tests and G. 1050 tests	NO	NO	NO	YES
Bi-directional Packet Flow:	YES	YES	YES	YES
Number of Bands / Flows	5 in each direction; 10 total	5 in each direction; 10 total	64 in each direction; 128 total	36 in each direction; 72 total
Packet Classification / Filtering	45 pre-defined filters: customize or define your own filters	45 pre-defined filters: customize or define your own filters	45 pre-defined filters: customize or define your own filters	45 pre-defined filters: customize or define your own filters
Packet Classification On Header Fields: Ethernet, MPLS, IPv4, IPv6, TCP, UDP, 802.1, 802.1 Q (VLAN)	YES	YES	YES	YES
Apply different impairments based on filters set for each flow	YES	YES	YES	YES
Save statistical output for 22 parameters (e.g. total packets dropped per I/F)	YES	YES	YES	NO
Packet Delay/Latency, Jitter, Duplication, Drop/Loss with burst options and multiple statistical distribution options	YES	YES	YES	YES
Short burst options with statistical distributions	YES	YES	YES	YES
Waveforms for creating potentially repeating patterns from subseconds to hours	YES	YES	YES	YES
Rate Limitation with user specified target rate, queue length, overhead, min/max packet sizes	YES	YES	YES	YES

Bit or packet corruption	YES	YES	YES	YES
"Smart" impairments of specific protocol fields	NO	NO	NO	YES
User-defined impairment capability	NO	NO	YES	YES
Graphical User Interface	Web browser	Web browser	Web browser	Desktop
Command Line Interface	YES	YES	YES	YES
Scriptable	YES	YES	YES	YES
Supports VNC, SSH	NO	NO	NO	YES

KMAX Lite is available for educational institutions and others with limited budgets. KMAX Lite has interfaces for 10/100 Mbps, no pre-defined scenarios, no packet classification, and one flow.

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