

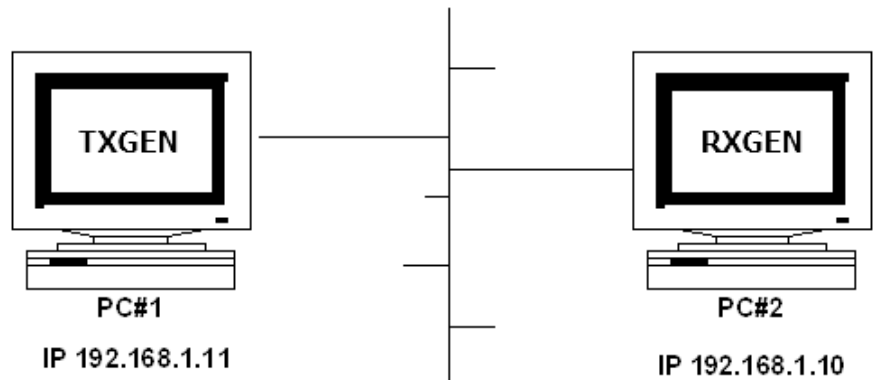


RXGEN

Silicom TCP Traffic Throughput Verifier

Product Description

RXGEN, an excellent traffic throughput verifier, is designed by Silicom Ltd., it is a powerful Ethernet traffic simulator to verify the function of network equipment, such like L2/L3 switch, bypass switch or network packet broker.



RXGEN is an utility that can be performed in Linux environment, user can specify the Data sizes send by user application to BSD socket, and TCP port used, and can testing multiple port's simultaneously.

Detail rxgen additional parameters options

UDP / UDPCNT / TCP : receive test type
: rx TCP/UDP port number
: printout interval
: receive time out in ms (only for UDPCNT)
: rx socket buffer size (def is 400KB for Windows and 128KB for Linux)
: UDP only. Track lost UDP packets by monitoring packet number field.
: display help.

Detail txgen additional parameters options

UDP / UDPCNT / TCP:
: tx TCP/UDP port number
: defaults tx data size sent each time to socket (default)
: random data tx data size send to socket
: UDP / UDPCNT – number of packets per burst.
: inter burst gap in ms.
: socket buffer size (def = 400KB)
: adding -e will set TCP_NODELAY socket option(def=off)
: inter packet TX delay (for/next var , not ms or us).



Example:

Destination TCP port

Data sizes send by user application to BSD socket
(Changing this parameter will effect traffic
throughput).

On PC#1 run:

```
./txgen 192.168.1.10 TCP -p 1123 -l 100000
```

Order Information

PN	Description
RXGEN-LIC-1G	License for supporting 1Gbps interface
RXGEN-LIC-10G	License for supporting 10Gbps interface
RXGEN-LIC-40G	License for supporting 40Gbps interface
RXGEN-LIC-100G	License for supporting 100Gbps interface
RXGEN-1Y-xx	Software maintenance service 1 year extension

*usage for one year.