

RFC 6349-compliant TCP Throughput Optimization

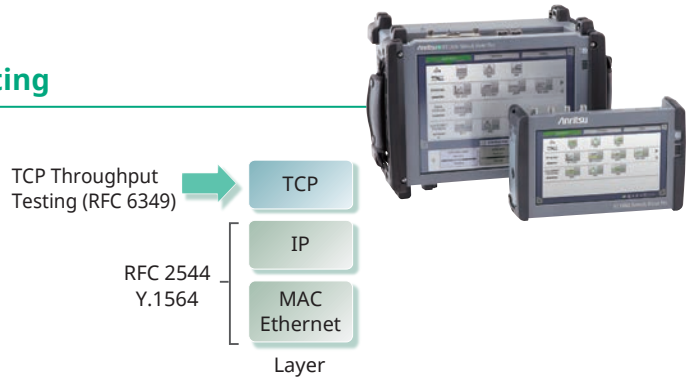
Network Master Pro MT1000A

Network Master Flex MT1100A



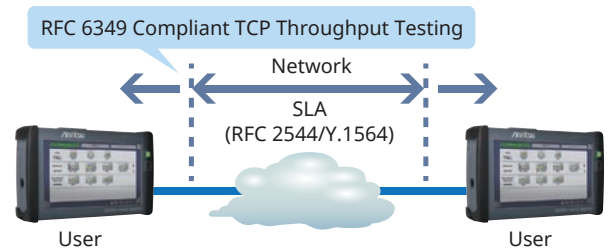
True RFC 6349 Compliant TCP Throughput Testing

Optimized performance is critical to modern networks, and newly deployed network services are usually validated using RFC 2544 and ITU-T Y.1564 compliant tests. However, even when these tests produce good results, some users are still dissatisfied with poor TCP throughput at service start-up. With a built-in TCP Throughput option, the MT1000A/MT1100A is the perfect platform for implementing RFC 6349 compliant tests of TCP throughput at speeds up to 10G alongside legacy RFC 2544 and ITU-T Y.1564 tests.



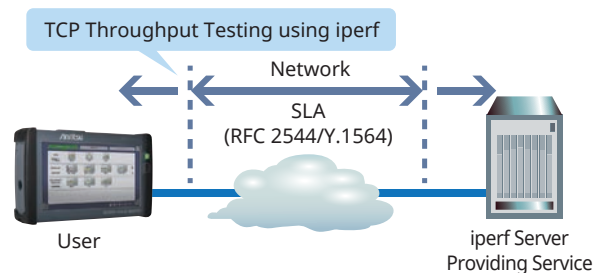
■ RFC 6349 Compliant Testing

As well as SLA tests using the RFC 2544 and Y.1564 standards, measuring TCP throughput according to the RFC 6349 standard offers network service providers a means for advising their users about how to best adjust and tune network equipment for optimum speed and performance, helping reduce customer dissatisfaction and cutting complaint costs.



■ 10 Gbps Hardware with High Reliability

Sometimes, a software-based iperf server is used to measure TCP throughput when troubleshooting service problems. However, since iperf is a software based tool, this method suffers from low repeatability and accuracy. Additionally, there are measurement problems because measured throughput drops depending on the performance of the PC. Connecting to the MT1000A/MT1100A with built-in iperf server offers hardware-based, high-reliability TCP throughput measurements emulating a live network environment. Furthermore, tests can be run using the 10G interface, a feature not supported using a regular PC.



■ Simultaneous Two-Way Testing

As well as testing based on asynchronous traffic, such as Web browsing, streaming, etc., tests of two-way traffic, such as services on in-house networks, are also important. The MT1000A/MT1100A can perform simultaneous two-way tests emulating a live network.

