

## FAQ on SpeedCheck & TrueSpeed throughput testing

Network & Service Companion (NSC-100/200)

OneExpert CATV (ONX-620/630 Series)

OneExpert DSL (ONX-580 Series)

OneExpert DSP (ONX-220 Series)



January 24, 2023

### 1. SpeedCheck

#### ➤ What is SpeedCheck?

- SpeedCheck is a layer 4 TCP speed test that uses HTTP, which is the most common protocol used by high-speed data customers accessing the internet.
- SpeedCheck works on all NSC-100/200, ONX-220/620/630 and ONX-580 product lines.

#### ➤ How to get the SpeedCheck SW options on your VIAVI instrument?

- If you have Ookla Speedtest options on your VIAVI instruments, VIAVI can provide SpeedCheck equivalent(s) free of charge.
- These new options would be loaded onto your StrataSync account so you can push them to your VIAVI instruments.
- To get these SpeedCheck options added to your StrataSync account, please contact your VIAVI sales representative.

#### ➤ What server shall your instrument test against?

- VIAVI SpeedCheck tests against a HTTP server of your choice, where a test file will be placed.
- Ideally, the server is placed on your network in a location that will enable testing to the highest data rates, and you may need multiple servers to achieve that across your territory.
- Your servers which are currently hosting Ookla server software may be a good place to load the test file for SpeedCheck.

#### ➤ What test file shall be loaded on the HTTP server(s)?

- VIAVI recommends loading a single ~8 GB test file for testing any rate up to 10 Gbps – the SpeedCheck test time is fixed and setup in the VIAVI instrument test profile, therefore lower rates won't extend the test time.
- Here is a generic test file you can download and then put on your HTTP server(s) – need to copy/paste the following link into your laptop file explorer:

- <ftp://customerupload:upload@157.234.214.59/SpeedCheck>

Username: temp

Password: temp

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### ➤ **How shall I update my VIAVI instrument test profile(s) with SpeedCheck?**

- To update your test profile to run SpeedCheck, open your VIAVI instrument profile manager, and:
  - Set the “Upload and Download URLs”
    - Enter the URL address pointing to your test file

### ➤ **Can VIAVI help me with any question with the setup of SpeedCheck?**

- You can contact VIAVI Technical Support with all your questions you may have
  - <https://www.viavisolutions.com/en-us/support/technical-product-support/technical-assistance>

## 2. TrueSpeed

### ➤ **What is TrueSpeed?**

- TrueSpeed is a layer 4 TCP speed test – based on RFC-6349.
- TrueSpeed works on all NSC-100/200, ONX-220/620/630 and ONX-580 product lines.
- TrueSpeed requires multiple custom server installations.

### ➤ **What next steps shall I take to better understand TrueSpeed, its implementation and benefits?**

- TrueSpeed test is part of VIAVI Fusion platform, and more information on Fusion can be found in this web page:
  - <https://www.viavisolutions.com/en-us/products/fusion>
- You can also contact your VIAVI representative if you want to work with TrueSpeed, so we can discuss in more details how VIAVI Fusion platform can be implemented in your network and what benefits you could gain from such deployment.