



Network & Service Companion (NSC-100/200)

Release Notes

Firmware revision 4.3.16

Release February 8, 2024

New features

1. NSC-200 PPPoE w/VLAN support up to 10Gbps
Previous versions of firmware only supported PPPoE up to 1Gbps. Version 4.3 supports up to 10Gbps PPPoE w/VLAN support
2. NSC-200 PPPoE w/VLAN over XGSPON up to 8.5Gbps.
Previous versions of firmware only supported PPPoE up to 1Gbps on either Ethernet or over GPON/XGSPON emulation. Version 4.3 will now support full rate over XGSPON (8.5Gbps is approximate throughput speed due to XGPSON overhead)
3. Test Location added to save test file name:
Test files have location tag added to file name. This is similar to other VIAVI instruments and assists in identifying specific files and locations
4. Ability to add customer defined file prefix to file name"
Customer have the ability within a job to add a custom prefix that will be appended to the beginning of the file name. This provides easier file location identification for specific workorders.
5. Update for FUSION client to support latest Fusion deployments
6. NSC-200 - Eliminate the need to deploy or enable 1G testing when adding new field upgrades to 2G/5G or 10G throughput testing

In previous version a user would have to deploy both the 1G testing when they added a higher speed test. For example when doing a field upgrade to NSC-SPEEDCHECK-10G-1Y the user would also have to deploy NSC-SPEEDCHECK-1G-1Y

7. New passive mode optical power only test capability in OneCheck GPON or OneCheck XGSPON

Previous versions of firmware assumed OneCheck GPON or XGSPON would be ran in active mode and the instrument would look for PON-ID information. This lengthened the test for users who wanted to use OneCheck PON or OneCheck XGSPON as an optical power meter only.

8. StrataSync viewing of OneCheck GPON and OneCheck XGSPON

Previously, the OneCheck GPON and OneCheck XGSPON results were saved in StrataSync but were not viewable by the user. StrataSync now supports user viewing of those files.

9. Support on for disabling Auto Negotiation for 10M, 100M, and 1G Electrical Ethernet when running throughput testing and TrueSPEED on VIAVI's NSC-SFP-ELEC-AUTO-1G-10G

10. Various bug fixes and customer specific enhancements