SmartOTDR

Latest Version

Version ID: 25.6.6
Release date: 2025-12-09

Application	Version	Date
Boot	10.87.2	2025/10/20
Linux Kernel	25.14.1	2025/12/03
File System	23.21.2	2025/12/03
Instrument Setup	25.6.6	2025/09/18
Microscope	25.6.6	2025/08/21
Fiber Optics	25.6.6	2025/12/03

General

New Feature / Enhancement

- Wi-Fi / Bluetooth: Latest dongle now displayed on the About page.
- Files Saving: Fixed issue where disconnecting USB created a fake “usbflash” folder treated as a drive.
- PDF Report: Fixed random bug causing missing customer logo on the first page.
- Updated translations in Chinese, French, German, Italian, Portuguese, Spanish and Japanese

OTDR

Corrections/ Enhancements

- ExpertOTDR: Added contextual help messages for test modes in “Acquisition” Settings menu.
- ExpertOTDR/PON: Modified “Link” Settings menu for consistency with FTTH-SLM.
- FTTH-SLM:
    - Settings: Mux/Demux Alarms removed.
    - Unbalanced Taps: Fixed incorrect Pass/Fail thresholds in PDF report.
    - Unbalanced Taps: Fixed issue where End of Fiber was misplaced.

FiberComplete PRO (Loopback)

Improvement

- Updated on board UI wizard in process page

Previous Versions History

Version ID: 25.4.16
Release date: 2025-09-10

Application	Version	Date
File System	23.17.11	2025/09/05
Boot	10.87.2	2025/05/23
Fiber Optics	25.4.16	2025/09/05
Instrument Setup	25.4.16	2025/08/20
Linux Kernel	25.14.1	2025/09/05
Microscope	25.4.16	2025/08/21

OTDR

Corrections/ Enhancements

- OTDR Advanced settings: IOR range now from [1.00000 to 1.70000], Backscatter Coefficient range now from [-150.0 to -50.0].
- Various optimizations and fixes in PON and P2P applications improving noise management, events detection / analysis and events conflict management.

Version ID : 25.4.9
Release date : 2025-07-21

Application	Version	Date
File System	23.17.3	2025/07/21
Boot	10.87.2	2025/05/23
Fiber Optics	25.4.9	2025/07/21
Instrument Setup	25.4.9	2025/06/05
Linux Kernel	25.14.1	2025/07/21
Microscope	25.4.9	2025/01/13

General

New Feature / Enhancement

- New Settings menu user interface translations now updated in Chinese, French, German, Italian, Japanese, Portuguese and Spanish.

OTDR

Corrections/ Enhancements

- ExpertOTDR: “SmartAcq+” is now the default OTDR acquisition mode, instead of “Auto” mode.
    - “SmartAcq+” automatically sequences multiple pulse widths acquisitions to enhance the detection of all fiber link elements. It generates a consolidated results table and displays a single OTDR trace that seamlessly combines all utilized pulse widths. csor files (merged traces) are automatically saved at test completion. This mode is not recommended for bi-directional testing.
- Miscellaneous measurement enhancements in Point to Point and PON configurations.

Version ID : 25.4.7
Release date : 2025-07-02

Application	Version	Date
File System	23.17.2	2025/07/01
Boot	10.87.2	2025/05/23
Fiber Optics	25.4.7	2025/07/01
Instrument Setup	25.4.7	2025/06/05
Linux Kernel	25.14.1	2025/07/01
Microscope	25.4.7	2025/01/13

OTDR

Corrections/ Enhancements

- Reduces false splice detections on the fiber link, launch & receive cables
- Reduces false elements detection in the noise
- Enhances fiber end detection for highly reflective fiber ends
- Resolves occasional acquisition time slow-down
- PON: Corrects random incorrectly labeled detected elements

Test Process Automation (TPA)

Enhancements:

- Job Manager: Improves handling of large number of jobs (100+)

Version ID : 25.1.15
Release date : 2025-02-20

Application	Version	Date
File System	23.14.2	2025/02/20
Boot	10.87.2	2025/01/15
Fiber Optics	25.1.15	2025/02/20
Instrument Setup	25.1.15	2025/02/13
Linux Kernel	25.14.1	2025/02/20
Microscope	25.1.15	2025/01/13

General

New Feature / Enhancement

- New Settings menu user interface for a faster and smoother experience (ExpertOTDR, FTTH-SLM, and PowerMeter /Source (LTS) apps)

OTDR

New Features / Enhancements

- SFP Protect option now available on 138FA65 et 138FB65 versions @ 1650nm
- ExpertOTDR: New SmartAcq+ test mode (automatic multi-pulse acquisition for Point-To-Point links)
- Enhanced OTDR auto-config in difficult P2P network scenarios
- Enhanced splice detection on short & mid range links
- Enhancement and bug fixes of PON measurements.
- FTTH-SLM now auto-selects acquisition time. Manual selection is no longer possible.

Version ID : 24.4.21
Release date : 2024-12-18

Application	Version	Date
File System	23.13.21	18/12/2024
Boot	10.86.3	18/11/2024
Fiber Optics	24.4.21	18/12/2024
Instrument Setup	24.4.21	26/11/2024
Linux Kernel	25.12.2	10/07/2024
Microscope	24.4.21	20/08/2024

OTDR

New Feature:

- SFP Protect option : This feature ensures that no SFP will be shut down while troubleshooting or verifying a potentially live link with SmartOTDR Filtered 1650nm versions (118FA65 & 118FA65PPM). Available in ExpertOTDR and SmartTest OTDR Modes.

Test Process Automation (TPA)

Enhancements:

- Optical power tests can now be added to TPA Jobs and deployed
- Combo PM/OTDR feature can be managed from TPA Jobs

Version ID : 243111
Release date : August 12, 2024

Application	Version	Date
File System	23.13.5	2024/08/12
Boot	10.86.1	2024/07/10
Linux Kernel	25.12.2	2024/07/10
Fiber Optics	24.4.9	2024/07/29
Instrument Setup	24.4.9	2024/07/02
Microscope	24.4.9	2024/07/22

All Apps

New Features / Enhancements

- File naming now supports up to 120 characters

OTDR

New Features / Enhancements

- User Interface/User Experience:
  - OTDR trace cursors: new left and right softkeys to allow more precise cursor movement for improved navigation and accuracy.
  - OTDR trace cursor values: Enhanced readability with a larger font size
  - OTDR zoom function: A long press on 'A' provides the ability to independently zoom horizontally or vertically.
  - General softkeys: Resized to provide a better readability and accessibility
- Minimum Launch cable length measurement margins adjusted to avoid inappropriate warning message
- ExpertOTDR: [Real time] function is removed from the setup menu. It remains accessible via the general softkeys (direct access).

Corrections

- Link ORL missing @1550nm bug fixed
- FTTH-SLM: Launch cable connected directly to splitter incorrect management fixed
- FTTH-SLM Base: missed 1x8 splitter bug fixed

Power Meter

New Features / Enhancements

- 1577nm now available in the pre-set menu
- User Interface/User Experience:
  - Loss/Power: Enhanced readability with a larger font size
  - General softkeys: Resized to provide a better readability and accessibility

Test Process Automation (TPA)

New Features/ Enhancements

- New json versions:
  - OTDR test type: 1.6.1 / Inspection test type: 1.3.3
- Regression issue with StrataSync metadata for binary (SOR) files now corrected

Version ID : 241912
Release date : May 21, 2024

Application	Version	Date
Microscope	24.2.5	2024/03/13
Instrument Setup	24.2.5	2024/05/06
Fiber Optics	24.2.5	2024/05/02
Boot	10.85.0	2023/12/26
Linux Kernel	25.10.0	2024/05/06
File System	23.9.1	2024/05/06

OTDR

Corrections

- Miscellaneous bug fixes

Version ID : 241140
Release date : March 18, 2024

Application	Version	Date
Microscope	24.00	2024/03/13
Instrument Setup	24.00	2024/03/13
Fiber Optics	24.00	2024/03/14
Boot	10.85	2023/12/26
Linux Kernel	25.9	2024/03/12
File System	23.7.1	2024/03/12

OTDR

New Features / Improvements

- New “Slope on section” parameter with configurable minimum distance range
- FTTH-SLM: Distributed Taps/Unbalanced Splitters: New “Taps_Discover” config file
- FTTH-SLM: New alarm thresholds for 1:128 splitter type

Corrections

- Vertical scale on the Trace view is no longer hiding the OTDR trace
- Real time mode: Wrong distance & event numbering issues are fixed

Inspection

New Features/ Improvements

- Add a new tip setting (*.tip.xml) while retaining the existing settings
- Select an IEC 61300-3-35 edition 3 profile for pass-fail testing
- Miscellaneous bug fixes

Version ID : 234930
Release date : December 06, 2023

Application	Version	Date
Microscope	23.68	2023/12/06
Instrument Setup	23.68	2023/12/06
Fiber Optics	23.68	2023/12/06
Boot	10.84.0	2023/08/11
Linux Kernel	25.6.2	2023/09/22
File System	23.4.7	2023/12/06

OTDR

New Features / Improvements

- FTTH-SLM: Updated splitter detection criteria in discover mode.
- FTTH-SLM: Distributed Taps/Unbalanced Splitters: New Discover mode + new test point selection between "Drop" & "Bus” (Thru)
- Launch and receive cable information addition into pdf report.
- VIAVI default splice threshold changed to 0.3dB for pass/fail analysis.

Corrections

- Configuration file overwrite management.
- Locked markers no longer lost during consecutive tests.
- Wrong global pass/fail indication in "eventLine" status is fixed.
- Pass/Fail status correctly updated when changing split ratio manually in PON test scenario.

Power Meter

New Features / Improvements

- Power measurement unit displayed as dBm by default.

Corrections

- Overwriting during file saving problem now fixed.

Test Process Automation (TPA) / Job Manager

New Features/ Improvements

- Management of special characters per UTF-8 improvement.
- New pop-up message when sync to StrataSync is in progress and complete.

Inspection

Correction:

- Potential turn-up issue when P5000i probe connected to mainframe now fixed.

Version ID : 234241

Release date : October 19, 2023

Application	Version	Date
Microscope	23.62	2023/10/19
Instrument Setup	23.62	2023/10/19
Fiber Optics	23.62	2023/10/19
Boot	10.84.0	2023/08/11
Linux Kernel	25.6.2	2023/09/22
File System	23.4.4	2023/10/19

OTDR

New Features / Improvements

- Removal of SuperExpert license, the features are now available by default in ExpertOTDR set-up menu
- Main enhancements:
  - FTTH-SLM: 1/64 splitter topology measurement
  - OTDR grouped-events
  - ExpertOTDR: Possibility to add a customized pulse width
- Main bug fixes:
  - SmartOTDR B: “Signal detected” false messages
  - FTTH-SLM: Multiple fiber ends icons at 1310/1550nm
  - Events displayed after a manual “Fiber End” event addition in SmartLink view
  - Wrong Section loss displayed in PDF and json files
  - Cursor position or presence in PDF
- Translation updates and overlap corrections (German)

Inspection

New Features/ Improvements

- Translation Updates (French)

Version ID : 233110
Release date : July 21, 2023

Application	Version	Date
Microscope	V23.40	7/21/23
Instrument Setup	V23.40	7/21/23
Fiber Optics	V23.40	7/21/23
Boot	10.81.4	3/31/2023
Linux Kernel	25.2.2	3/3/2023
File System	23.1.23	7/31/2023

OTDR

New features/Improvements

- Receive Cable position bug fix
- Translation corrections and updates (German & Czech)
- Miscellaneous bug fixes

Test Process Automation (TPA) / Job Manager

New Features/ Improvements

- Added broader character support for TPA fields
- Miscellaneous bug fixes

Version ID : 231450
Release date : April 7, 2023

Application	Version	Date
Boot	10.81.4	2023/03/31
Linux Kernel	25.2.2	2023/03/03
File System	23.1.12	2023/04/07
Instrument Setup	23.22	2023/04/07
Microscope	23.22	2023/04/07
Fiber Optics	23.22	2023/04/07

OTDR

New features/Improvements

- Combo PM/OTDR Test Results
    - Auto Store disabled. Now possible to add comments, notes or change event type.
    - Power level now included in PDF report
- Change of signal detection threshold that triggers “traffic detection” warning message (136FB and 138FB65 versions only)
- New PON Signal Compensation Mode (SW option for 138FB65 version only)

Test Process Automation (TPA) / Job Manager

New Features/ Improvements

- Added formal support for Android connectivity (smart devices running Android 12 or a newer version recommended)
- Improved support for iOS connectivity with VIAVI Mobile Tech app
- Improved support for Ethernet/Wi-Fi connectivity with VIAVI Mobile Tech app
- Added support for job creation via API
- Added support for job creation via VIAVI Mobile Tech app
- Added support for configuration deployment from StrataSync
- Added support for software option deployment via VIAVI Mobile Tech app
- UX/UI improvements for the instrument-based Job Manager
    - Support for creating jobs locally via templates
    - Improved integration with fiber tests
- Miscellaneous bug fixes

Inspection/

New Features/Improvements

- Added support for importing test results from a USB-connected FiberChek probe microscope
- Added support for updating the profiles on a FiberChek probe microscope when deployed from StrataSync

- Added an About screen under Setup
- Improved management of tip settings and profiles when deployed from StrataSync
- Improved popup messages when using Job Manager
- Miscellaneous bug fixes

Version ID : 230350
Release date : January 20, 2023

Application	Version	Date
Boot	10.81.2	2022/10/28
Linux Kernel	25.2.2	2022/11/04
File System	23.1.0	2023/01/20
Instrument Setup	23.04	2023/01/20
Microscope	23.04	2023/01/20
Fiber Optics	23.04	2023/01/20

OTDR

Improvements

- Enhancement of grouped events pass/fail analysis
- Default bend detection change to 0.3dB

Problem corrections

- ExpertOTDR: Event notes now available standard for Point-to-Point and PON Network Configs
- “Show cursor” setting is now saved in the config file
- Problem with directory management is fixed
- SLM/Table update problem when changing event type manually is fixed
- “.” Symbol added to German keyboard

Cable-SLM

Improvements

- Enhanced management of labels
- Acquisition test sequence performed according to presence of optical switch or not
- New Cable-SLM project creation

FTTH-SLM

Problem corrections

- “Launch cable connected directly to splitter” bug is fixed
- “Event code on top of existing splitter icon is not set when reloading .csor file” bug is fixed

Job Manager

Enhancements

- Possibility to handle job template files coming from StrataSync or MTA

TPA

New Function

- Integration of a full StrataSync/Mobile Tech App process with Job Manager

Inspection

New Function

- User interface refresh
- Allows probe microscope firmware updates via host instrument
- Now possible to add new inspection tip settings via a USB drive or StrataSync
- Now possible to add new test profiles via a StrataSync update
- End face image now embedded within the saved JSON results

Version ID : 222950

Release date : July 21, 2022

Application	Version	Date
Boot	10.81.1	2022/07/21
Linux Kernel	25.1.0	2022/05/31
File System	23.0.7	2022/07/22
Instrument Setup	22.52	2022/07/21
Microscope	22.52	2022/07/21
Fiber Optics	22.52	2022/07/21

Mainframe / Base Unit

New functionalities

- Integration of password protection at turn up. Optional license (EPASSWORDPROTECT)

Improvements

- Management of exclusivity when 2 OTDR modules housed on the same machine
- P5000i Inspection Probe Asset Management in StrataSync
- Increase number of characters in comment field (up to 99)
- Improvement of boot up process with color transition

Problem corrections

- Special characters ("-" and "_") added on German alphabetic keyboard
- Display error on upgrade screen corrected
- Files with a space in the name can now be uploaded to MTA (iOS only)
- Japanese: Application no longer crashes while saving pdf report

OTDR

New functionalities

- Predefined G654E specifications added to the list of fiber parameters (IOR, backscattered...)

Improvements

- Improved Touchscreen calibration for TRACE TABLE SLM selection
- Events table redesigned for better legibility
- Ability to hide trace in Expert OTDR addition
- New A & B cursor management
- Update launch cable" menu labelling - now Test Cable

Problem corrections

- OTDR Assistant (SmartTEST, FTTH-SLM): incorrect field in page "record information"
- No longer cut task naming shorter than 100 characters
- Launch cable management if incorrect length entered
- Problem of event detection after fiber end on short links now fixed
- Labelling of splice detection when manually set to 0.05dB always shows "Auto"
- Mini linear view correction when switching direction with an .msor file

- Correction of SmartLinkMapper refresh in OTDR tab after FiberComplete acquisition
- "Copy file/link to all" doesn't copy job id to the SLM-Enterprise menu
- OTDR Expert - Cursors remain hidden even in Analysis when set to "No"
- Trace info - correction of linear attenuation between A&B cursors
- Issues with mini linear view when many events detected

FTTH-SLM

Problem corrections

- Correction of incorrect trace recombination in multi-pulse acquisition

Version ID : 220740

Release date : February 17, 2022

Application	Version	Date
Boot	10.81.0	2022/01/28
Linux Kernel	21.8.2	2021/12/17
File System	21.10.2	2022/02/17
Instrument Setup	22.02	2022/02/17
Microscope	22.02	2022/02/17
Fiber Optics	22.02	2022/02/17

Mainframe / Base Unit

Improvements

- Improved and simplified software upgrade messages and softkeys (via Ethernet/WiFi)
- Test set calibration date added to all .pdf reports

Problem corrections

- Merge of multiple .pdf in the File Explorer

Inspection

New functionalities

- Microscope function set in live mode when coming from the job manager

LTS (Light source & Power meter)

Problem corrections

- Proper management of the power meter zero offset

OTDR

New functionalities

- Fiber ID added to Fast Report setup menu

Improvements

- Key and menu labels updates:
    - **File** setup changed into **Report**
    - **File** softkey changed into **File Explorer**
- User interface updates:
    - Zoom buttons position moved to the top right corner of the graph
    - Setup menu: **Test Cables** section added. It contains Launch, Receive and Loopback cable settings
    - SmarLink Mapper: ability to select a section/slope
    - SmartLink Mapper: enhancement of the event detail description (splitter description with FTTH-SLM license, pass/fail criteria & threshold values)

FTTH-SLM

New functionalities

- Job ID added to .csor PDF report

Improvements

- When Job Manager pushes FTTH config file, it updates the "Config." setup field inside FTTH-SLM

Problem corrections

- When the first event corresponding to the first standard splitter (of an unbalanced splitters network) is detected at position < 0m, the event is not detected/interpreted as splitter but as launch cable.

FiberComplete PRO (Loopback)

New functionalities

- Fiber number increased to 9999

Improvements

- Removal of launch and receive cable management by event position
- Enhancement of bi-directional OTDR (Loopback mode) slope measurement
- Pass/fail event thresholds made available for the bi-directional OTDR Loopback mode

Version ID : 214750

Release date : December 1, 2021

Application	Version	Date
Boot	10.80	2021/10/08
Linux Kernel	21.8.2	2021/09/27
File System	21.9.11	2021/11/26
Instrument Setup	21.62	2021/11/26
Microscope	21.62	2021/11/26
Fiber Optics	21.62	2021/11/26

Mainframe / Base Unit

New functionalities

- Improvements and corrections of the new user interface

Improvements

- German translation updates
- PDF report now better highlights failed results

Problem corrections

- Home page text overlap in Portuguese language

Version ID : 214050
Release date : October 8, 2021

Application	Version
Boot	10.80
Linux Kernel	21.8.2
File System	21.9.2
Instrument Setup	21.50
Microscope	21.50
Fiber Optics	21.50

Mainframe / Base Unit

New functionalities

- Improvements and corrections in the new user interface

Improvements

- PDF reports always include cursors A&B on graph
- Ability to do a screenshot from the Results page with new UI
- Translation updates (Chinese, German, Hungarian and others)

Inspection

Improvements

- Test report settings always kept at product turn off

OTDR

Improvements

- Better management of 3-splitter clusters in PON architecture with FTTH-SLM
- Optimized test time vs. pulsewidth in high split ratio (>1x64)

PON Power Meter

Improvements

- Homogenization of XGS-PON downstream wavelength to 1577nm

Test Process Automation (TPA)

Improvements

- Inspection scope + OTDR process flow better managed

Problem corrections

- Factory sync of purchase order number and date