

VIAVI

ONMSi RFTS: Remote Fiber Test System

Fiber Network Visibility that Scales for Both PON and Point-to-Point Networks

The VIAVI Solutions™ ONMSi (Optical Network Management System) provides network visibility across the network core, metro, and access PON to premises. Improve construction, activation, and quality-of-service (QoS) by diagnosing faults and preventing service problems.

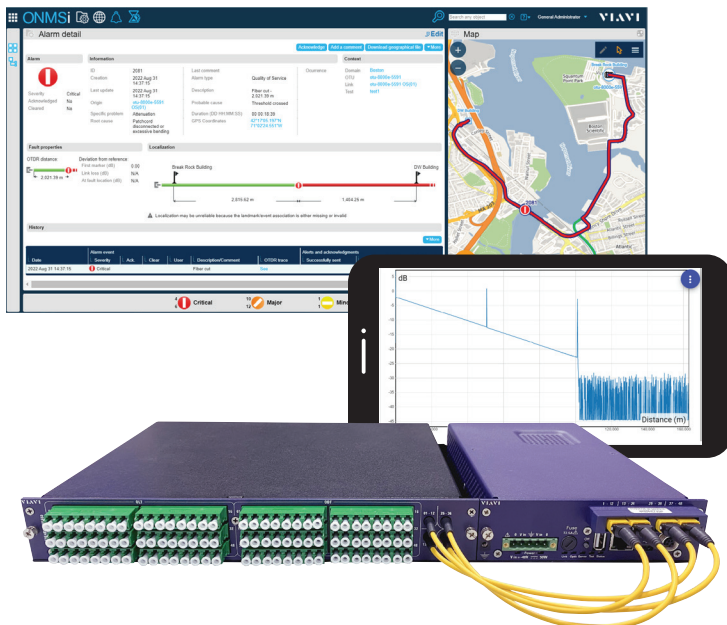
ONMSi RFTS scans the fiber network 24/7 to automatically diagnose faults and trend degradation. Compare target network health against actual conditions and send alarms without dispatching field technicians. Streamline workloads with superior VIAVI geolocation processes and analytics, using a compact Fiber Test Head (FTH) with high resolution OTDR and scalable port switching capability. Use for on-demand test or routine, automated test during construction, service activation and monitoring.

Key Benefits

- Build quality networks and Save OPEX by reducing MTTR and downtime by 30%
- Accelerate and assure build quality to deliver profitable services and reduce service activation failures to zero
- Prevent service disruptions by identifying degradations for increased reliability
- Simplify SLA management
- Protect fiber assets with long-term performance monitoring
- Improve troubleshooting and demarcation
- Reduce fiber optic maintenance costs
- Detect fiber tapping, protecting valuable information from intrusion

Key Features

- Supports P2P (metro/core/access) and P2MP (PON) to the optical network terminal (ONT)
- Expand visibility to the customer premise
- Protect network integrity
- FTH design scales from four to over 4000 ports
- Domain architecture enables maximum organizational flexibility and ownership of alarms and analytics



ONMSi Features and Benefits

Increase Revenue, TTM and Up-sell Premium SLA Services

- Attract customers with competitive service advantages: Deliver fiber alerts, periodic reports, or up-sell dark and lit fiber monitoring services.
- Evaluate and price high quality network lines for demanding applications.
- Reduce chargeback or SLA penalties due to unfulfillment or lengthy outages.



Reduce Dispatches and Erroneous Truck Rolls

- Reduce MTU/MTTR: Dispatch to fix not to find and understand.
- Demarcate between network equipment faults and owned Vs. leased fibers.
- Dispatch with a plan with material / tools / expertise needed for repair.



Gain Accurate, Pinpoint Fault-On-Map Capabilities in Real-Time

- Navigate using Google maps from mobile devices to fault location.
- Attain distance to fault accuracy by documenting optical-physical adjustments and landmarks to guide techs to a specific cabinet or manhole to reduce onsite confusion in poorly marked areas.
- Integrate with 3rd-party GIS or VIAVI's GeoView application to pinpoint faults.



Deploy Efficient, Powerful User Management and Regional Domains

- Send notifications by user, team, area, and shift schedules (night, day, weekends) so the right person gets the right alarm while on duty.
- Segment links by domain to assign inter-regional alarms.
- Optimize network design or process with a powerful network solution across geographies and functional teams (NOC, marketing, engineers, field techs).



Trend Fiber Aging and Attenuation Analytics For Preventive Maintenance:

- Utilize reports to prioritize maintenance of monitored infrastructure.
- Address fiber attenuation issues before QoS impact or customer complaints.



Smallest and most economical Fiber Test Heads in the market:

- Simple compact rack mounted solution – plug and play installation.
- Best-in-industry OTDR performance and wavelength range for live fiber testing, tunable DWDM and fiber sensing.
- 1U rackmount shelf design for 48 fiber ports; or 2U for 576 internal ports. Both extensible beyond 4000 with additional external high-capacity switches.



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