About the Product

PBN's netWatch2 is the ideal performance assurance tool for operators at the crossroads of migrating from a DOCSIS network to a PON network or maintaining co-existing networks.

By collecting key performance metrics, netWatch2 proactively addresses DOCSIS and PON access network issues. This vendor-agnostic and technology-agnostic solution supports a wide range of equipment from leading suppliers. With GIS support and topology features, netWatch2 enables operators to quickly pinpoint and address network issues. It also integrates powerful mobile gateway functionality, allowing field technicians to check the status of various network components both on-site and remotely.
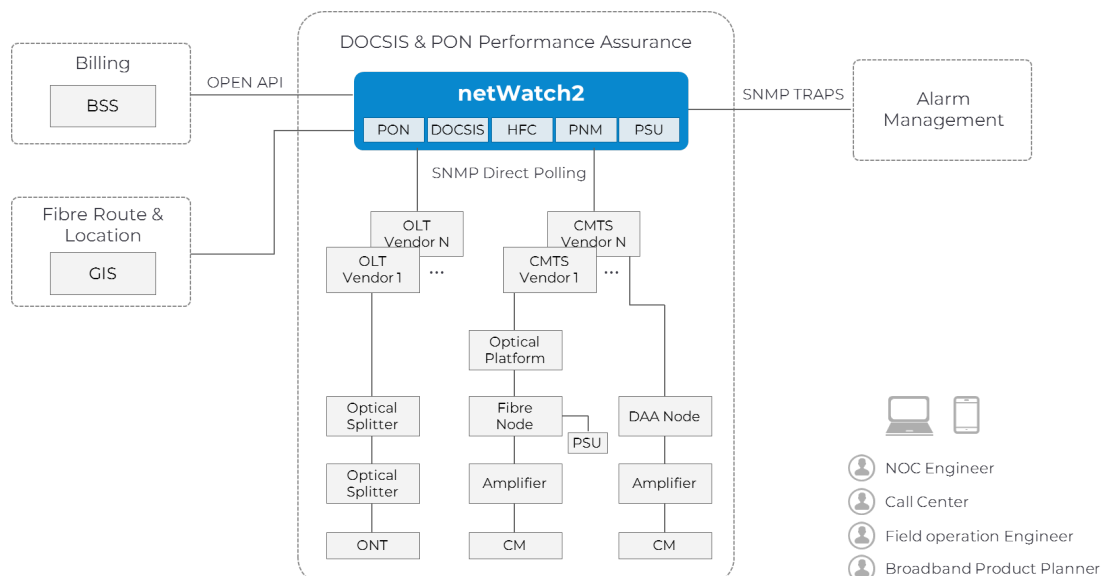
Additional modules such as PNM (Proactive Network Management), HFC, and Power Supply Monitoring further enhance its monitoring capabilities.

Built on a cloud-native architecture, netWatch2 supports flexible deployment options—either in the cloud or on-premises—tailored to operators' preferences. The platform scales effortlessly with network growth and integrates seamlessly with external systems like BSS/OSS, call center systems, and incident systems. It also works flawlessly with netCommand (PON Provisioning), deviceCare (TR-x69 WiFi management), and other third-party systems, improving overall network efficiency.

Key Features and Functions

- Cloud SaaS or On-Premises deployment
- Automatic discovery of CM and ONU devices
- Integrated with major DOCSIS vendors' CMTS/vCMTS/RPD and CMs
- Integrated with major PON vendors' OLTs and ONU
- Native Mobile App
- GIS Integration and 3rd party systems integration

- Interrogation and historical trending of key network parameters with inbuilt graphing functionality
- Comprehensive alarm management system including detailed alarm history and statistics reporting
- Detailed user and system management functionality for separation of roles and responsibilities

System Diagram

Feature Highlights