PRODUCT BRIEF / CLIENT SOLUTIONS

Opti-Trace Server

Amplifier diagnostics from desktop-connected environments

CATEGORY	Web Application, Vue JS & Python
FOCUS	Network Diagnostics
AT A GLANCE	Configure DOCSIS 4.0 amplifiers through a browser and USB-connected server.

Overview

Opti-Trace Server pairs a client-server web interface with a USB connection for setting up and monitoring extended-spectrum amplifiers on Windows and Linux systems.

Key capabilities

- 1.8 GHz amplifier configuration and diagnostics
- USB-based connection and firmware upgrades
- Upstream and downstream spectrum capture
- CSV exports for measurements and analysis
- Saved profiles for restoring device configurations

Technologies & platforms

Vue.js / Python / FastAPI / Windows / Linux / USB

Practical benefit

Combine guided equipment configuration with spectrum and firmware workflows in the field or lab.

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