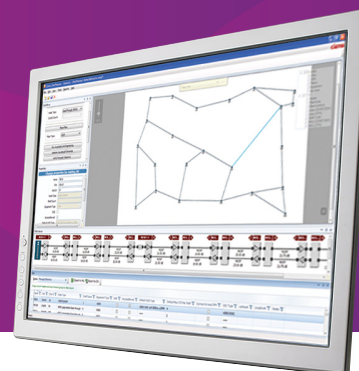


DATA SHEET

OnePlanner

Unified Design System



OnePlanner is an advanced multi-layer network design and optimization tool that leverages Ciena's extensive background in Layer 1 control plane planning and simulation, photonic system design, advanced algorithm research, and GUI development into a comprehensive and easy-to-use platform. OnePlanner correlates data from different network layers, allowing the network planner to easily see the association between services, facilities, and equipment.

OnePlanner's Photonic module supports 6500 Packet-Optical Platform and Common Photonic Layer (CPL) photonics designs. The Optical Switching module supports 5410/5430 Reconfigurable Switching Systems and 6500 SONET/SDH and OTN control plane network dimensioning and what-if failure scenarios.

OnePlanner's modular architecture enables use of design and engineering modules with the Ciena portfolio. These can be used autonomously for a specific layer, or simultaneously to plan, design, and model networks involving both Layers 0 and 1.

Network topology and service demands can be entered into the system through the intuitive GUI or imported as well-defined text files. OnePlanner can be deployed in a standalone configuration or in a multi-user client/server configuration.

Intuitive GUI

Fluid zoom - OnePlanner's GUI can zoom in from a high-level network topology view to show the sites where demands and services terminate and the interconnecting cables. As the user zooms in, intermediate sites such as line sites are displayed, along with associated fiber information. By zooming even closer, the user will see the network

Features and Benefits

- Ensures peak multi-layer network optimization
- Includes what-if failure scenario simulations to ensure validation of network survivability under multiple simultaneous failures
- Features an intuitive GUI to easily visualize network layout and design
- Offers planning based on live network data for accurate analysis
- Reduces manual effort significantly through accurate and auto-discovered fiber characterization
- Features forecast-tolerant designs, ready for future growth
- Provides various on-screen summaries as well as exportable reports
- Builds and displays various network views selectively through powerful GUI