

Comprehensive Network Design

Network planners and engineers require configuration tools to assist the planning and design activities vital to creating a revenue-generating Dense Wavelength Division Multiplexing (DWDM) network. The java-based NETSMART® 2000 network design and planning tool supports the market-leading FLASHWAVE® 7500 Reconfigurable Optical Add/Drop Multiplexer (ROADM) product line. With the NETSMART 2000 network design and planning tool, you get:

- Network designs with following fiber types: SMF 21, SMF 28, SMF 28E, AllWave, TrueWave Classic, TrueWave Plus, TrueWave RS and ELEAF
- Support for various site types (OADM, TERM, HUB, ILA, EXPRESS, FOADM, Bypass or AUTO) and intuitive site icons to easily select and build the designed network topology
- Direct graphical form entry or via Excel file import for entering network design data, with optional additional information such as fiber loss and chromatic dispersion
- Physical topology views for linear, ring and mesh designs that include placement of amplifiers, Dispersion Compensation Modules (DCMs) and Bypass nodes
- Bidirectional span information, including the fiber type, fiber loss, span distance, chromatic and polarization mode dispersion details for both directions
- Brownfield design support where an existing network can be "locked" and marked as baseline. The brownfield designation to a design provides the user a controlled environment where new changes are allowed on the network with little or no effect on the baseline network
- Routing criteria that allow you to place constraints on the routing on a per demand basis
- Hardware configurations that allow you to select from a predefined set of shelf and rack configurations
- Optical line card customized part lists for controlling the network's design equipment selections
- Version controlled price lists where you can select which specific price list (based on multiple imported price lists) to use as the system level price list for all design revisions
- Reach-ability reports displaying distance of all potential lightpaths with supported line rates before regeneration is required

The NETSMART 2000 planning tool configures FLASHWAVE 7500 systems into a wide variety of topologies including linear point-to-point, ring and mesh networks. The results can be viewed via simple graphical windows. Such views include the full channel assignment that shows all the wavelengths used for the traffic demands, the path reach-ability for the traffic demands and the detailed optical power budget and dispersion performance. Additionally, the network topology, the equipment view, the equipment Bill of Material (BOM) for the design and the cabling information are also presented. You can quickly and accurately optimize network usage and reliability, plan future expansion, and evaluate the effects of various traffic demands during the design process with the NETSMART 2000 planning tool, which features:

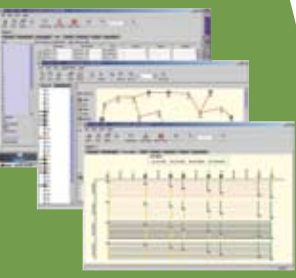
- Cabling information that maintains a running list of all the inter- and intra-rack cabling information, with suggestions on connection types
- Network design information and demand sheets that includes all network topology and demand information entered on the network design
- Graphical views of nodes, racks and shelves, with card and small form pluggable (SFP) details that realistically depict the platform
- Part change management where the material part list in NETSMART 2000 database is being updated to align with latest issues of parts available for the network element
- Excel-formatted reporting features that allow you to output selected report(s) to an Excel file on specific portion of the network design
- Ability to print the optical graphs of a network design
- Zero wavelength design so you can design a new network based on fiber, site and line rate

Client/Server Features

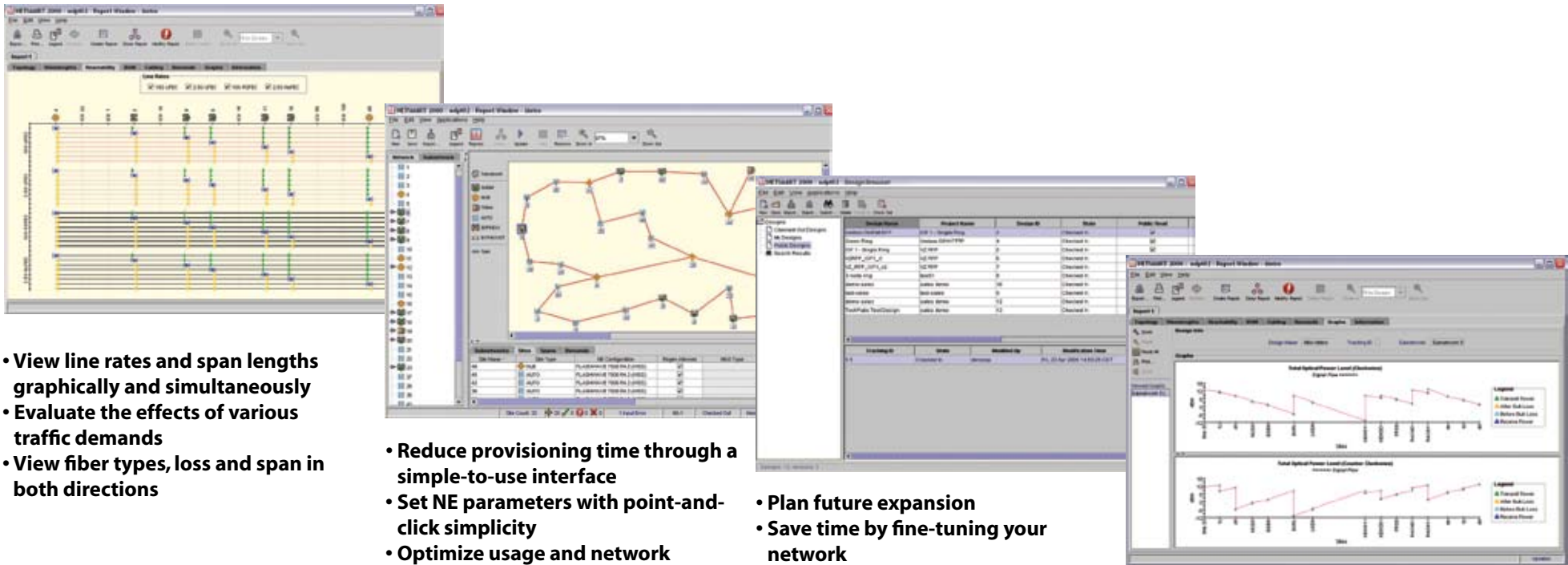
- User management tools to easily create new user accounts or change existing accounts
- User group role where multiple users can be a member of the same group and have read and write access to other members' design/design revisions

Backed by the Optical Networking Leader

For over 20 years, carriers across North America have trusted Fujitsu with mission-critical networking needs. The NETSMART 2000 network design and planning tool and the FLASHWAVE 7500 ROADM are key components for a cost-effective network that satisfies current traffic demands and scales to meet future requirements.

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- Optimize Network Designs
 - Wavelength Demand Routing
 - Detailed BOMs and Price Lists
 - Security and Management

Features and Specifications



- View line rates and span lengths graphically and simultaneously
- Evaluate the effects of various traffic demands
- View fiber types, loss and span in both directions

- Reduce provisioning time through a simple-to-use interface
- Set NE parameters with point-and-click simplicity
- Optimize usage and network reliability

- Plan future expansion
- Save time by fine-tuning your network
- Browse current and future networks with ease

- Access customizable network configuration information
- Create multidegree hubs up to 40 wavelengths
- Predict and evaluate system performance

Minimum Hardware Requirements for Client/Server:

Server Platform: Fujitsu SPARC Enterprise T2000; Solaris® 10 Hardware Release 06/06; 2 x 1 GHz or faster CPU; 2 GB minimum RAM; 2 x 72 GB disk drives; CD drive

Windows® Platform: Microsoft Windows XP Professional SP2 or Windows 2000 (SP4 or later); 450 MHz Pentium® III or better CPU; 512 MB minimum RAM; 400 MB free disk space; 1024 x 768 or higher resolution monitor; 32-bit or higher color video processor recommended; CD drive; LAN card

Web Browser: Microsoft Internet Explorer® Version 5.5 or later; Mozilla® FireFox® 1.5x or later

Minimum Hardware Requirements for Windows Standalone:

Windows® Platform: Microsoft Windows XP Professional SP2 or Windows 2000 (SP4 or later); 1.8 GHz Pentium IV or better CPU; 1 GB minimum RAM; 6 GB free disk space (40 GB free disk space recommended); 1024 x 768 or higher resolution monitor; 32-bit or higher color video processor recommended; CD/DVD drive

Web Browser: Microsoft Internet Explorer Version 5.5 or later; Mozilla FireFox 1.5x or later

Contact your Fujitsu sales representative for more information on how to order this product.

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