

## Innovations Lower Total Cost of Ownership

The FLASHWAVE® 7600 Dense Wavelength Division Multiplexing (DWDM), global transport solution is one of the most efficient investments for regional long haul networks and single ultra long spans. The high-density design with reduced power and space requirements makes the FLASHWAVE 7600 platform the ideal solution to economically deploy low channel count systems.

Our solution helps break the barriers to entry into optical networking with several key features including:

- Scalability to greater than 1 Tbps of capacity
- Support for regional long haul links greater than 600km
- Support for single ultra long spans exceeding 200km
- Reduced initial turn-up and provisioning with Self Tuning Networks
- Minimization of periodic maintenance with Self Tuning Networks
- Optimized for all fiber types

The feature-rich FLASHWAVE 7600 platform offers the economies needed for an initial low wavelength count system without sacrificing the advanced functionality required to build a flexible network that is well positioned for future growth.

## Best in Class Regional Long Haul Networks

The FLASHWAVE 7600 transport solution integrates innovative technology and flexibility to manage low channel counts and evolves to keep up with your network's growing needs. Self Tuning Network capabilities, global deployment, flexible Optical Add/Drop Multiplexer (OADM) functionality, and minimized power and space footprints are just a few of the features that help simplify networks.

Self Tuning Network capabilities ensure that your network continuously and automatically adjusts for peak performance to provide industry-leading service velocity. You will benefit from reduced turn-up and provisioning time, accelerated time to revenue, and lower overall maintenance costs.

Non-restrictive and non-banding wavelength services allow you to add and drop traffic without losing channels or impacting your overall system budget. The FLASHWAVE 7600 platform can reduce your overall space and power requirements while providing full access OADM for unparalleled flexibility and cost savings. The FLASHWAVE 7600 32 wavelength DWDM and the FLASHWAVE 7300 transponder system will fit in less than two racks and only requires 4.97 watts of power per gigabit.

## Future Proof your Investment

The FLASHWAVE 7600 platform offers the flexibility you need to future proof your investment. The FLASHWAVE 7600 system allows for deployment around the world with support for OSMINE, NEBS, ETSI and CE—offering flexible solutions for growth. Innovative technology enables all fiber type optimization, scalability, Self Tuning Network functionality, global deployment capabilities and flexible OADM functionality, which makes the FLASHWAVE 7600 platform the most economical investment for regional long haul and ultra long span deployments today and into the future.



- Regional Long Haul
- Self Tuning Network
- OADM Functionality
- Global Platform
- OSMINE Support

## Features and Specifications

### Interfaces

- OC-192/STM-64
- OC-48/STM-16
- Rate Adaptive: OC-48/12/3 and STM-16/4/1
- Bit Rate Independent: 100 Mbps to 3 Gpbs
- 10 Gigabit Ethernet
- Gigabit Ethernet

### Fiber

- LS, DSF, SMF and NZ-DSF

### Operations

- TL1 protocol over OSI/LCN or IP/LCN
- Local and remote provisioning
- Software download and remote memory backup
- FLEXR® GT craft interface and NETSMART™ 1500 software with CORBA uplink
- OSC with DCC, orderwire and user channels

### Optical Connector Type

- FC, SC and ST

### Power Consumption

- FLASHWAVE 7600 443 watts typical for 32 wavelengths
- In-line amplifier 601 watts typical for 32 wavelengths

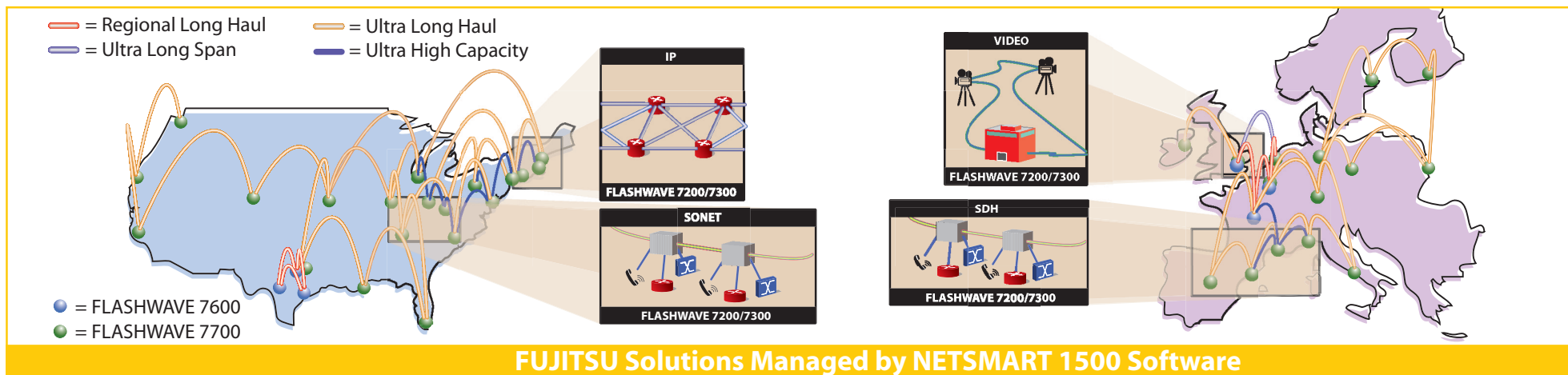
### Operating Environment

- Temperature 0° to 50°C (32° to 122°F)
- Humidity 5% to 95% (non-condensing)
- Compliance NEBS, CE Mark and Safety, ANSI, ETSI

### Physical Characteristics (32 Channels)

- | (ANSI/ETSI standards)     | (HxWxD)            |
|---------------------------|--------------------|
| • Terminal/Shelf          | 33.25 x 21.5 x 12" |
|                           | 950 x 500 x 280mm  |
| • In-line amplifier shelf | 31.5 x 21.5 x 12"  |
|                           | 875 x 500 x 280mm  |

Features and Specifications subject to change without notice.



### Fujitsu Network Communications, Inc.

2801 Telecom Parkway, Richardson, TX 75082  
 800.777.FAST FAX 972.479.6900  
 www.fnc.fujitsu.com

### Fujitsu Networks Europe Limited

6th Floor, Burdett House, 15-16 Buckingham Street  
 London, WC2 6Du  
 Tel: +44(0)20 74841500 Fax: +44(0)20 79308590  
 Email: fnel-sales@fujitsu.co.uk www.fnel.fujitsu.com

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