

## Flexible Solutions Provide Best in Class Services

The FLASHWAVE® 7200 platform enhances Dense Wavelength Division Multiplexing (DWDM) based optical networks with one of the most flexible choices of transponders. The FLASHWAVE 7200 transponder meets national and international requirements for deployment and has been field proven around the world. The FLASHWAVE 7200 platform enables you to drive revenue generation with a wide range of services including:

- OC-192/STM-64
- OC-48/STM-16
- OC-12/STM-4
- OC-3/STM-1
- 10 Gigabit Ethernet
- Gigabit Ethernet
- Bit Rate Independent (100 Mbps – 3 Gbps)
- Optical protection

The FLASHWAVE 7200 transponder integrates with ITU compliant DWDM systems for the extensive range of client services supported. The power of DWDM economics can be achieved across a broad spectrum of rates and protocols.

## Innovation Lowers Total Cost of Ownership

The Fujitsu transponder provides exceptionally reliable access to DWDM transport. Discover the truly universal capabilities of the services provided by the FLASHWAVE 7200 platform. Numerous deployments have proven the performance of the system's tunability, universal slot architecture and tiered protection services.

The transponder transport shelf provides you the flexibility to match any transport service to any slot. Using a single management complex, you can route the service to any number of standards-compliant DWDM networks and define the transport path for each interface. The FLASHWAVE 7200 system offers economic deployment capabilities with a single platform that can be utilized anywhere. Install the system nationally and internationally and gain increased economic benefits with universal transponders that operate in your choice of ANSI or ETSI shelves.

The FLASHWAVE 7200 transponder is ITU compliant with wide tuning lasers that cover the entire C and L bands. Regardless of your installed fiber plant, you can selectively deploy the FLASHWAVE 7200 system with C and/or L bands to fully utilize available bandwidth—giving you the flexibility to operate on LS, DSF, SMF or NZ-DSF.

The system can help you decrease inventory costs by 75% with our tunable laser technology that is backed by decades of telecommunications expertise. Around the world, carriers have installed the FLASHWAVE 7200 platform for deployments that drastically improve their flexibility, reduce their inventory costs and shorten their operational learning curves.

## Self Healing Networks Drive New Services

Utilize the FLASHWAVE LightGuard™ solution, a switch enabling 1+1 optical protection on a per client basis, to offer tiered-levels of wavelength services with provisionable thresholds. By using a single plug-in module in the universal transponder transport shelf, you can generate additional revenue from your existing platform through premium services that help safeguard your clients' unprotected protocols.

## Experience Provides Superior Solutions

From a single platform, the FLASHWAVE 7200 system provides the flexible solution you need to offer a universal range of services. Leverage the FLASHWAVE 7200 platform to provide high-density support for any of the Fujitsu DWDM products, including our FLASHWAVE 7700, FLASHWAVE 7600, FLASHWAVE 7100 and other standards-compliant DWDM systems. The FLASHWAVE 7200 platform is designed to offer a wide range of services allowing you to reach a broad market of customers because we understand the importance of maximizing your return on investment. Our expertise and dedication in the telecom industry ensures that we will continue to provide the most competitive and technologically advanced solutions with the lowest total cost of ownership for your network.



- Wide Range of Services
- Self Healing Networks
- Tunable Across C & L Bands
- Global Platform

## 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 - 3 Gbps)
- 10 Gigabit Ethernet
- Gigabit Ethernet

### FLASHWAVE Self Healing Networks

- FLASHWAVE LightGuard Protection Switch
- 1+1 optical protection for individual DWDM channels
- Switch on LOL and BER with provisionable thresholds

### Tunable Lasers

- 4-channel tunable lasers
- Increases network flexibility
- Reduces spare count to eight units per 32 channels
- Saves storage space and sparing cost
- Simplifies ordering process

### 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

### Optical Connector Type

- FC, SC and ST

### Power Consumption

- Shelf (ANSI)
  - 381 watts typical for 16 OC-48/STM-16 transponders
  - 333 watts typical for 8 OC-192/STM-64 transponders
- Shelf (ETSI)
  - 334 watts typical for 14 OC-48/STM-16 transponders
  - 292 watts typical for 7 OC-192/STM-64 transponders
- Management Shelf
  - 215 watts typical fully populated

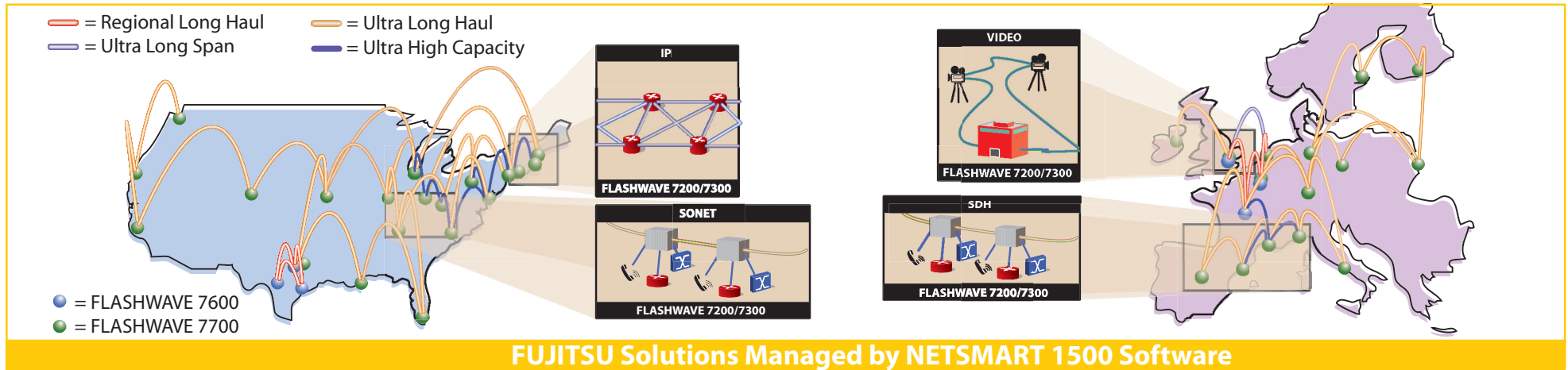
### Operating Environment

- 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)                              |
|-----------------------|--------------------------------------|
| • Shelf               | 17.5 x 21 x 12"<br>485 x 500 x 280mm |
| • Management Shelf    | 17.5 x 21 x 12"<br>485 x 500 x 280mm |

Features and Specifications subject to change without notice.



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