FLASHWAVE® 7300

Formerly FLASHWAVE OWS

Transponder, Protection and Regenerator System

- **Smallest Footprint**
- **Lowest Power**
- **Wide Tunability**
- **Universal Slots**
- **Enhanced Wavelength Services**

Flexible Solutions Offer Economic Choices

The FLASHWAVE® 7300 transponder offers ultra efficiency for Dense Wavelength Division Multiplexing (DWDM) transport.

Our FLASHWAVE 7300 platform is one of the most economical choices to drive revenue generation with a wide range of services including:

- OC-768/STM-256
- OC-192/STM-64
- OC-48/STM-16
- Bit Rate Independent (100 Mbps – 3 Gbps)
- 10 Gigabit Ethernet
- Gigabit Ethernet
- Optical Protection

Additionally, digital advancements provide enhanced wavelength services allowing you to offer your customers a wide range of services, tiered levels of protection and service level guarantees.

Innovations Achieve Bottom-line Savings

The FLASHWAVE 7300 transponder lowers your total cost of ownership through innovations in power utilization, space efficiency, wide tunability and universal slot architecture. Dramatically reduce your space consumption with one of the smallest footprint solutions in the industry.

With the FLASHWAVE 7300 platform, you can achieve 248.48 gigabits per square foot densities, which translates into 216 channels in 4 ANSI racks at 10 gigabits per card. This footprint efficiency provides superior power utilization with 3.78 watts per gigabit. You can achieve dramatic bottom-line savings by reducing initial power, backup power, battery reserves and cooling costs.

Ultra-wide tuning lasers cover the entire C and L bands helping to decrease inventory costs throughout your network.

The FLASHWAVE 7300 platform provides greater than 90% savings with 22-channel tunable technology. With over 6,000 tunable lasers deployed and reliably carrying revenue-generating traffic today, Fujitsu provides proven hands-on experience—backed by decades of telecommunications expertise—to help you achieve bottom-line savings.

The universal slot architecture allows you to achieve ultra high densities by providing any transport service from any slot with user-provisionable levels of protection. Using a single management system, you can route the service to any DWDM network and define the transport path for each interface.

Self Healing Networks Create Revenue Streams

The Self Healing Network capabilities set the FLASHWAVE 7300 platform apart from other competitive transponders. This globally proven, reliable product allows carriers to control a variety of rates and protocols, as well as offer new and tiered levels of services. You will be able to provide new network services tailored to specific subscriber applications— creating new and innovative revenue streams.

Experience Provides Proven Solutions

The FLASHWAVE 7300 transponder can drive down the cost of bandwidth by delivering the most flexible solutions with the lowest space, power and sparing requirements commercially available today. Leverage the FLASHWAVE 7300 solution to provide ultra high density support for a wide range of DWDM applications and equipment – including our FLASHWAVE 7700, FLASHWAVE 7600, FLASHWAVE 7100 and other standards-compliant DWDM systems.

The FLASHWAVE 7300 transponder is designed with you in mind, because Fujitsu understands the importance of reducing your operations cost. Our expertise and dedication in the telecom industry ensure that we will consistently strive to offer the most competitive and technologically advanced solutions in the industry—providing you with the lowest total cost of ownership metrics for your network.

FLASHWAVE™

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THE POSSIBILITIES ARE INFINITE

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Features and Specifications

Interfaces

- OC-768/STM-256
- OC-192/STM-64
- OC-48/STM-16
- 10 Gigabit Ethernet
- 40G I-Mux
- Bit rate free Muxponder
- 4*2.5 Gigabit Muxponder

Digital Wrapper

- Performance monitoring
- Out-of-Band forward error correction
- Control plane routing functionality

FLASHWAVE Self Healing Networks

- FLASHWAVE LightGuard™ protection switch
- 1+1 protection for individual DWDM channels
- Switch on LOL and Digital Wrapper BER with provisionable thresholds

Optical Connector Type

- LC

Tunable Lasers

- 22-channel tunable lasers
- Increases network flexibility
- Reduces spare count to eight units per 176 channels
- Offers full spectral efficiencies
- Saves storage space and sparing costs
- 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
- OSC with DCC, orderwire and user channels

Power Consumption

• Shelves (18 bidirectional OC-192s/STM-64s)	681 W
• Management Shelf	206 W

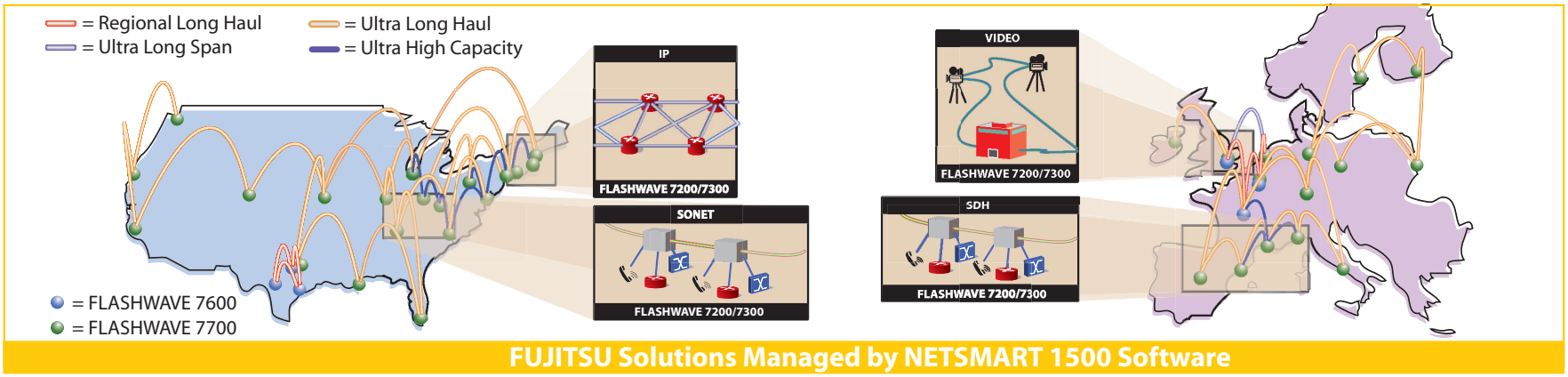
Operating Environment

• 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 (176 Channels)

(ANSI/ETSI standards)	(HxWxD)
• High-Density Transponder/Regenerator Shelf	22.75 x 21.26 x 12" 650 x 500 x 280mm
• Management Shelf	15.75 x 21.26 x 12" 575 x 500 x 280mm
• Management Communications Shelf	17.5 x 21.26 x 12" 440 x 500 x 280mm

Features and Specifications subject to change without notice.



FUJITSU Solutions Managed by NETSMART 1500 Software

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