NetRing™ 600M

MULTI-SERVICE OPTICAL ACCESS PLATFORM

COMPACT THIRD GENERATION MSTP SYSTEM COMBINES VERSATILE SERVICE DELIVERY AND BROADEST FUNCTIONALITY SET

- **SMALL FOOTPRINT**
- **MULTI-SERVICE**
- **FULL SDH PROTECTION**
- **WALL MOUNTABLE**

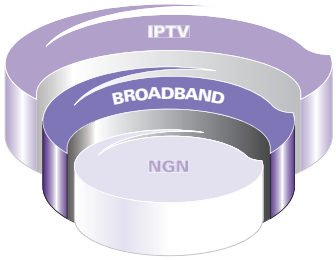
NetRing™ 600M is a third generation multi-service optical transport device that effectively combines and delivers separate functions, previously attributed to multiple independent platforms. These functions include Terminal Multiplexer (TM), Add-Drop Multiplexer (ADM), Digital Cross-connect System (DCS) in addition to E1,FE and V.35 services. This integration drastically reduces service provider network complexity and simplifies network operations and maintenance.

TINY FOOTPRINT

The compact NetRing 600M is only 1U high. It provides versatile service access capabilities and an unprecedented price/performance ratio. The NetRing 600M chassisis based on the 19-inch standard and can be installed in any ETSI compliant, 19-inch rack. In addition, the platform may also be wall-mounted.

FULL SDH FUNCTIONALITY

NetRing 600M provides a versatile suite of service capabilities including: Add-Drop Multiplexer (ADM), Digital Cross-connect System (DCS), and supplies E1, FE, and V.35 services. This integration drastically reduces service provider network complexity and simplifies network operations and maintenance. Essentially, the NetRing 600M simplifies new deployments and extends the life of legacy SDH networks, enabling carriers that are planning on providing next-generation services, to realize substantial savings on capital and operational expenditures. NetRing 600M is able to add/drop various low-rate SDH signals directly into/from 155Mbit SDH signals. It provides cross-connect functionality at VC-12, and has built-in native Ethernet service support. NetRing 600M uses the GFP protocol to map FE Ethernet services into NxVC-12 for transmission, traffic shaping, management, and LCAS.



FULL SUITE OF PROTECTION SCHEMES

NetRing 600M provides a full suite of network-level protections including SDH 1+1 MSP; 1:N MSP, and VC-12 Path Protection. The platform supports 1+1 hot redundant power supply by means of two independent -48V DC power input.

Technical Specifications

HARDWARE

SYSTEM CHASSIS

Dimensions

- 44mm x 484mm x 252mm (HxWxD)

Weight

- 5Kg (11 lb)

Operating Temperature

- 5°C ~ 40°C

Operating Humidity

- 5%RH ~ 85%RH @ 30°C

Power

- -48VDC, 110-220 VAC

Power Consumption

- 25W fully loaded

Compliance

- FCC Part 15 Class A, UL1950

INTERFACE

NETWORK INTERFACE

- STM-1, 1 or 2 port: SMF, SFP optical trans ceivers, 1310nm/1550nm Intermediate Reach or Long Reach with LC connector

TRIBUTARY INTERFACE

- 10/100M Ethernet Up to 3 ports
- E1 Up to 16 ports
- V.35 Up to 2 ports

CROSS-CONNECTION

- SDH Capacity 504 x 504 VC12
- Type Unidirectional, Bidirectional, Broad cast, Drop and Continue

TIMING/SYNCHRONIZATION

- SSM, External Bits Clock of Stratum 3 or better, Primary and secondary E1 external timing references, STM-1 line timing refer ence. Hold over, Free runs

NETWORK MANAGEMENT

- TL1, LCT (local Craftsman Terminal), NetMan™ 6000 OMC-O (EMS)

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About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

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