

hiT 7060 Multi-Service Provisioning Platform

Powerful, Robust MSPP for Converged Networks

The Coriant™ hiT 7060 is a flexible Multi-Service Provisioning Platform (MSPP) that enables true multi-service provisioning and enables the delivery of converged voice and data services.

The hiT 7060 supports both TDM and Ethernet traffic and provides carriers with an extremely cost-efficient platform for multi-service support. The hiT 7060 supports a large variety of data interfaces including 10/100M FE/FX and GE, as well as industry standard PDH/SDH interfaces.

The hiT 7060 fits seamlessly into existing SDH networks, thereby protecting operators' network investments, and is fully compliant with ITU-T and/or IEEE standards, supporting multi-vendor interworking.

FLEXIBLE NETWORK APPLICATIONS

The hiT 7060 can be deployed as a terminal multiplexer (TMX), an add-drop multiplexer (ADMX), a local cross-connect (LXC), or a multi-ring terminal (MRT) in point-to-point, chain and ring topologies and ring inter-connections to address flexible network requirements. The flexible design supports point-to-point links through use of Generic Framing Procedure (GFP) and Link Capacity Adjustment Scheme (LCAS). Point-to-multipoint and multipoint-to-multipoint connections are supported by an integrated Layer 2 switch, enabling the creation of VLANs.

The hiT 7060 gives network operators a competitive advantage by enabling Ethernet-based services to be supported in addition to traditional TDM leased line services.

The small form factor pluggable (SFP) optical modules are customized port features which allow "under-equipping" of interface cards to support different applications cost-effectively. Long-haul and short-haul interfaces can be mixed on one card.

The card commonality with other hiT 70xx Series products streamlines spares management and operational logistics.

OFFER NEW SERVICES COST-EFFECTIVELY

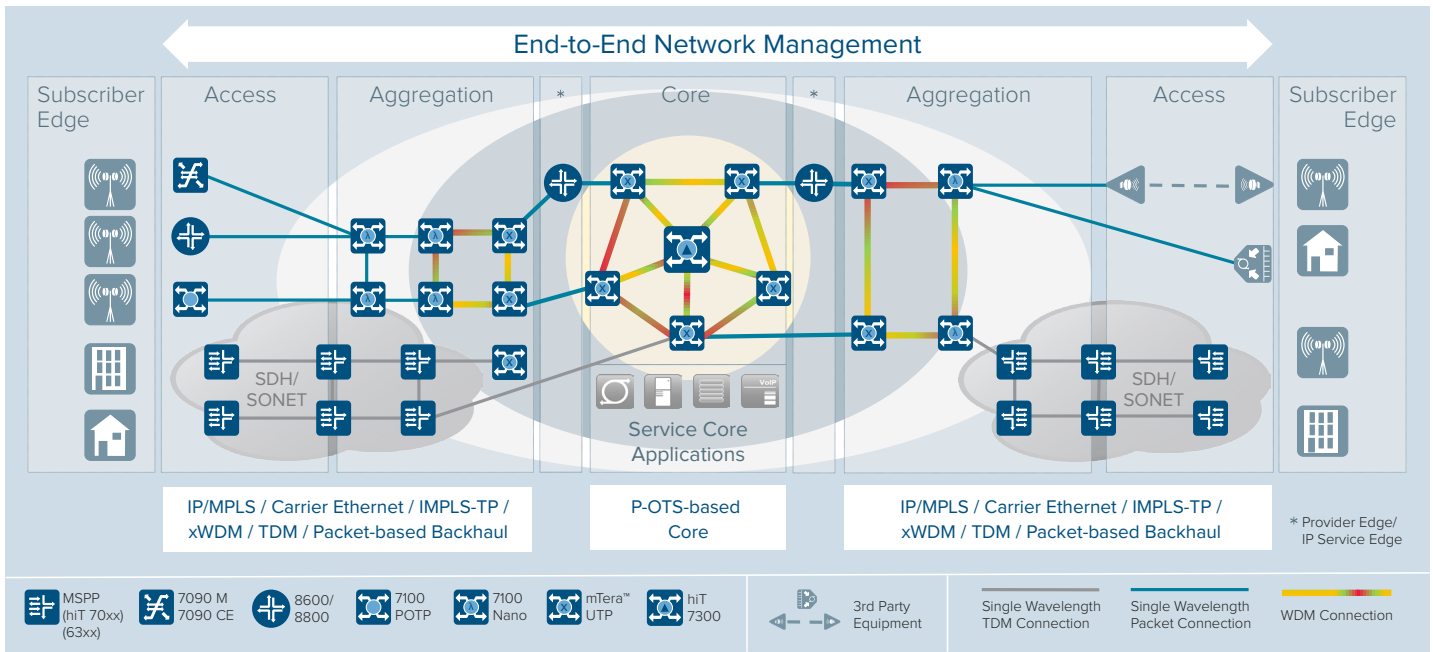
The hiT 7060 enables network operators to deliver data and voice services, including bandwidth-on-demand, flexible enterprise virtual private networks and customized service level agreements.

The hiT 7060 can seamlessly integrate into the existing network infrastructure to help protect existing investments. The integrated Layer 2 switch module provides switching and over-booking capacity, enabling better utilization of the available network bandwidth.

BENEFITS OF THE CORIANT™ hiT 7060 MSPP

- **Provides** a highly versatile MSPP which supports a wide range of data interfaces
- **Supports** converged voice and data networks, enabling delivery of new services
- **Offers non-blocking switching capacity up to 25 Gbps** with VC-4 granularity
- **Delivers** customized bandwidth-on-demand and tailored Service Level Agreements (SLAs)
- **Reduces operational expenditure** by enabling more efficient TDM and data provisioning and reducing spares requirements
- **Improves** operational efficiency through end-to-end network management and performance monitoring across the network





The hiT 7060 is fully managed by the Coriant™ Network Management System, which provides end-to-end administration and performance monitoring for the complete next-generation SDH network, improving operating efficiency and simplifying network operations. Faster service provisioning helps drive service delivery cost reductions. The hiT 7060 enables significant reductions in operating and capital expenditures, providing network operators with an extremely cost-efficient platform for multi-service support.

TECHNICAL SPECIFICATIONS

TDM Services

- Non-blocking 25 Gbps switching capacity with VC-4 granularity and 10 Gbps switching capacity with VC-12 granularity
- Multi-service platform: 2M, 34/45M, 155M, STM-1/4/16, as well as DWDM wavelengths for STM-16
- System hardware redundancy for cross connect, power, and timing
- Extensive protection mechanisms (SNCP, MSP, 2F-MS-SPRing, DNI)

Data Services

- FE, FX, 1GbE interfaces
- GFP mapping and virtual concatenation by VC-12/3/4
- Hitless bandwidth adjustment via LCAS

Ethernet Switch Functions

- IEEE 802.1d Layer 2 switching
- 4k MAC address memory per Layer 2 card
- Jumbo Frames
- 802.3x Flow Control
- 802.1q or double-tag VLAN tag/de-tagging, filtering, and forwarding
- 802.1w RSTP
- Rate Limiting
- IEEE 802.1p QoS/CoS, based on Ethernet port and/or VLAN
- MAC based ACL (Access Control List)
- Multicast IGMP Snooping
- EPL, EVPL and E-LAN services in accordance with MEF9 and MEF14

Technical Data

- Physical Dimensions (H x W x D): 566 x 447 x 329 mm
- Weight: typically 28kg
- Operation according to ETS 300 019-1-3 Class 3.1e
- Operating temperature range: -5 °C to +45 °C
- Humidity: 5% to 90 %
- Power supply: -48 V DC
- Power consumption: 200 W to 450 W depending on configuration

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