

## hiT 7020 Multi-Service Provisioning Platform

*Ultra-Compact, Versatile MSPP for Converged Networks*

The Coriant™ hiT 7020 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 7020 is a compact, integrated STM-1/STM-4 system well suited for Access applications. Its size and versatility make it the ideal product for mixed data and voice applications at end customer premises or at the edge of the carrier network.

The hiT 7020 supports a large variety of PDH, SDH and Ethernet interfaces which enable the platform to support various scenarios within transport networks. Key applications include the optimization of SDH/PDH networks and efficient migration towards packet-based transport.

The hiT 7020 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 flexible design of the hiT 7020 supports point-to-multipoint and multipoint-to-multipoint connections via an integrated Layer 2 switch, enabling the creation of VLANs. Carrier services can be offered via Ethernet, leased lines, SDH, VLAN or VPN applications.

The hiT 7020 gives network operators a competitive advantage by enabling Ethernet-based services to be supported in addition to traditional TDM leased line services.

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

### OFFER NEW SERVICES COST-EFFECTIVELY

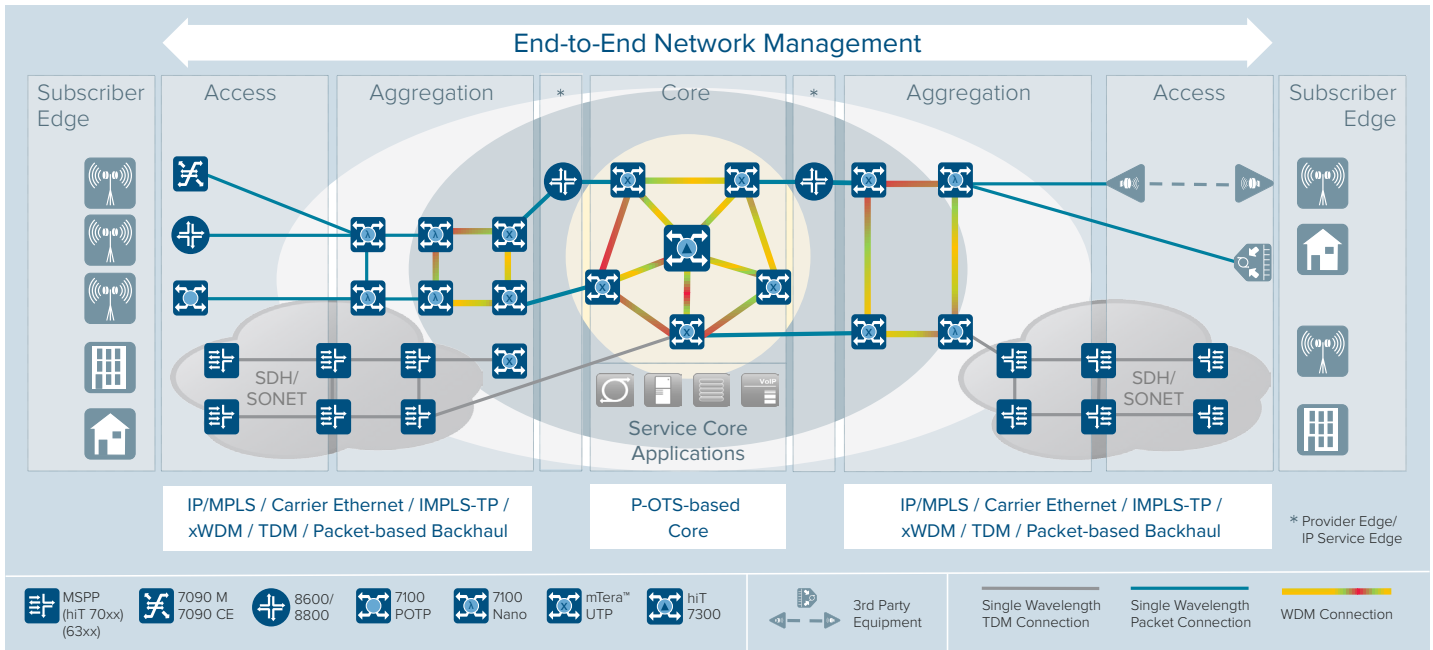
The hiT 7020 enables network operators to deliver data and voice services, including bandwidth-on-demand, flexible enterprise virtual private networks and customized service level agreements.

The hiT 7020 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 7020 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
- Provides 'system-on-a-chip' with high density, compact design
- 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 7020 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 7020 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 16 x 16 VC-4 (2 x STM-4/1 main board) equivalent cross connections with VC-12 granularity
- Non-blocking 4 x 4 VC-4 (2 x STM-1 main board) equivalent cross connections with VC-12 granularity
- Multi-service platform: 2M, 155M, STM-1/4
- Extensive protection mechanisms (SNCP, MSP, 2F-MS-SPRing)

### Data Services

- 4 x FE Ethernet interfaces with Layer 2 transport function
- 4 x FE Ethernet interfaces with transparently transport function
- GFP mapping and virtual concatenation by VC-12/3
- Hitless bandwidth adjustment via LCAS

### Ethernet Switch Functions

- IEEE 802.1d Layer 2 switching
- 4k MAC address memory per Layer 2 card
- 802.3x Flow Control
- 802.1q VLAN tag/de-tagging, filtering, and forwarding
- 802.1w RSTP
- Rate Limiting
- IGMP snooping
- IEEE 802.1p QoS/CoS based on per VLAN
- EPL, EVPL and E-LAN services in accordance with MEF9 and MEF14

### Technical Data

- Physical Dimensions (H x W x D): 44 x 439 x 210 mm
- Weight: typically 4kg
- 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 / 100 V to 240 V AC
- Power consumption: 16 W to 50 W depending on configuration

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