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SIEMENS

Siemens Surpass hiT

hiT Surpass 7020	Product Name	Product Type	Key Features & Uses	Pricing
	Siemens hiT Surpass 7020	STM-1/STM-4 System	SURPASS hiT 7020 is a very compact and integrated STM-1/STM-4 system positioned for Metro Access applications.	**Click here to request a quote for the complete system**

Product Description

SURPASS hiT 7020 supports data (FE) and PDH (E1) traffic is designed to satisfy medium or low capacity metro multi-services access requirements for service provider or private enterprise networks, providing carrier-class reliability.

Fully compliant with ITU-T and/or IEEE standards, hiT 7020 can interoperate with other standards-based transport and data communication equipment. Users can build stand-alone STM-1 or STM-4 networks, or inter-work with other SDH, multi-service transport products, or data communication products to build diverse transport/access networks.

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hiT Surpass 7025	Product Name	Product Type	Key Features & Uses	Pricing
	Siemens hiT Surpass 7025	STM-1/STM-4 System	SURPASS hiT 7025 transports data signals and standard voice based traffic over one single platform.	**Click here to request a quote for the complete system**

Product Description

For transporting data in the most economic way, this platform combines technologies such as Generic Framing Procedure (GFP) and Link Capacity Assignment Scheme (LCAS) with the reliability and robustness of SDH networks and a quality of service.

SURPASS hiT 7025 provides full cross-connectivity between all interfaces. The capacity of the switching fabric is up to 97 × 97 VC-4 (15 Gbps) equivalents. This applies to the VC-4 layer and to all cross-connection types (unidirectional, bidirectional and broadcast).

SURPASS hiT 7025 can be used in multiservice transport and aggregation network applications as:

- TMX (terminal multiplexer)
- ADM (add/drop multiplexer)

hiT Surpass 7030	Product Name	Product Type	Key Features & Uses	Pricing
	Siemens hiT Surpass 7030	STM-1/STM-4 System	SURPASS hiT 7030 is a very compact and integrated STM-1/STM-4 system positioned for Metro Access applications.	**Click here to request a quote for the complete system**

Product Description

With its modular and yet compact design, SURPASS hiT 7030 is the right product for mixed data and voice applications at end customer premises or at the edge of the carrier network.

SURPASS hiT 7030 Key features are:

- STM-1 or STM-4 Uplink
- Modular 4 slot design
- Multi-service platform: 2M, 34/45M, FE, FXS, FXO, 155M, STM-1
- GFP (Generic Framing Procedure), LCAS (Link Capacity Adjustment Scheme) and VCAT (Virtual Concatenation)
- Extensive protection mechanisms (SNCP, MSP, hardware)
- AC and DC power option
- Suitable for 19 inch and ETSI racks

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Carritech Limited, 7 Deanland Business Park, Golden Cross, Hailsham, BN27 3RP
Telephone: (+44) 203 006 1170 • Email: contact@carritech.com

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hiT Surpass 7035	Product Name	Product Type	Key Features & Uses	Pricing
	Siemens hiT Surpass 7035	STM-1/STM-16 System	SURPASS hiT 7035 is a versatile piece of equipment in terms of its applications and equipping options.	**Click here to request a quote for the complete system**

Product Description

While covering the complete range from an STM-1 to an STM-16 system, full-blown ADM-4 or compact ADM-16 applications will form the prime usage. The SURPASS hiT 7035 supports a large variety of data interfaces including Ethernet and ATM-IMA (Inverse Multiplexing over ATM), as well as industry-standard PDH/SDH interfaces. The system also supports Ethernet Layer 2 switching functionality, providing reliable and efficient data transport.

SURPASS hiT 7035 key features are:

- Non-blocking 15.2G@VC-12 with one STM-16/STM-4 port interface on single fabric
- Non-blocking 7.2G@VC-12 with one STM-4/STM-1 port interface on single fabric
- Multi-service platform: 2M, 34/45M, 155M, STM-1/4/16, 10/100BT, GbE
- GFP , LCAS and VCAT
- Layer 2 switching and aggregation
- ATM-IMA aggregation
- Extensive protection mechanisms (SNCP, MSP, 2F-MS-SPRing, hardware)
- Data traffic protection scheme via RSTP
- Suitable for 19-inch and ETSI

hiT Surpass 7050	Product Name	Product Type	Key Features & Uses	Pricing
SIEMENS	Siemens hiT Surpass 7050	STM-1/STM-16 System	SURPASS hiT 7050 is also a versatile piece of equipment in terms of its applications and equipping options.	**Click here to request a quote for the complete system**

Product Description

While offering two different chassis versions that cover the complete range from an STM-1 to an STM-16 system, full-blown ADM-4 or compact ADM-16 applications will form the prime usage.

The SURPASS hiT 7050 can support a large variety of data interfaces including Ethernet as well as industry-standard PDH/SDH interfaces. The system also supports Ethernet Layer 2 switching functionality, providing reliable and efficient data transport.

SURPASS hiT 7050 Key features are:

- Non-blocking 5G or 10G@VC-12 switching granularity
- Multi-service platform: 2M, 34/45M, 155M, STM-1/4/16, 10/100BT, GbE
- GFP , LCAS and VCAT
- Layer 2 switching and aggregation
- Extensive protection mechanisms (SNCP, MSP, 2F-MS-SPRing, hardware)
- Data traffic protection scheme via RSTP

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hiT Surpass 7070	Product Name	Product Type	Key Features & Uses	Pricing
	Siemens hiT Surpass 7070	STM-1/STM-16 System	The SURPASS hiT 7070, as well as all other members of the SURPASS hiT 70xx family, has been optimized for both packet and traditional TDM traffic.	**Click here to request a quote for the complete system**

Product Description

It uses state-of-the-art technologies such as the ASTN architecture within the standard GMPLS control plane, thus preparing the carrier's network for the evolutionary step to a next generation optical network.

The SURPASS hiT 7070 follows the Nokia Siemens Networks ASTN/GMPLS strategic evolution. Delivering powerful performance with its 160Gbit/s higher order switch matrix, and with a small footprint, the SURPASS hiT 7070 can be deployed as a UHC network feeder, a terminal or add-drop multiplexer, a local cross-connect or a multi-ring.

SURPASS hiT 7070 key features are:

- Non-blocking 160G@VC-4 and nx10G@VC-12 switching granularity
- Integrated Ethernet switching functionality
- Multi-service platform: 2M,34/45M, 155M, STM-1/4/16/64,40G, 10/100BT, GbE, 10 GbE
- GFP mapping, LCAS and support of virtual concatenation for optimal scalability of Ethernet services
- Support of concatenated services (VC-4-4c, VC-4-16c, VC-4-64c)
- A variety of STM-64 interfaces, including WDM variants
- Extensive protection mechanisms (SNCP, MSP, BSHR, hardware)

hiT Surpass 7080	Product Name	Product Type	Key Features & Uses	Pricing
	Siemens hiT Surpass 7080	STM-1/STM-16 System	SURPASS hiT 7080 as all other members of the SURPASS hiT 70xx family, has been optimized for both packet and traditional TDM traffic.	**Click here to request a quote for the complete system**

Product Description

It uses state-of-the-art technologies such as the ASTN architecture within the standard GMPLS control plane, thus preparing the carrier's network for the evolutionary step to a next generation optical network. The SURPASS hiT 7080 is aligned with the Nokia Siemens Networks ASTN/GMPLS strategic evolution.

SURPASS hiT 7080 key features:

- Single-core 340G@VC-4 and 40G@VC-12/VC-3 switching granularity.
- Multi-service platform: 2M, 34/45M,155M, STM-1/4/16/64/256,10/100BT, GbE, 10GbE, Fiber Channel
- Integrated packet fabrics (L2 switch, RPR and MPLS based systems)
- Support of concatenated services VC-12 to VC-4
- Integrated STM-16/64 DWDM interfaces for direct interworking with the SURPASS hiT 7300, hiT 7500 and FSP3000
- Extensive protection features (HW, SNCP, MSP, 2F/4F MSSPRing incl. Low Priority Traffic)
- GMPLS/ASTN based restoration
- Extension shelf solutions

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