

# TELES.iSWITCH S2048-NC System



## Improving your Net Profit

Another remarkable asset of the TELES.iSWITCH product family is its slim and flexible system technology, providing outstanding scalability, thus offering very attractive revenue cash flow conditions for market newcomers. Intelligent traffic management ensures that highly profitable lines automatically remain available, providing best possible utilisation of capacities.

## Building, Expanding, or Optimising with TELES.iSWITCH

Besides homogeneous networks, offering full utilization of all powerful TELES.iSWITCH features, the system's high interconnectivity also provides seamless expansion of existing network infrastructures, optimising their efficiency.

Standalone solutions, offering a specific functionality, are other frequently demanded applications.

## Proven Mainstream Technology

All TELES.iSWITCH S48-S4096 products are based on proven mainstream technology components, in particular: Intel® Pentium® processors, running Microsoft® Windows™ in a CompactPCI® architecture with optional H.110 support, and a Java™ user interface.

## TELES.iSWITCH® Public Switches

Today's telecommunications world more and more abandons monolithic switching nodes, which only system specialists can handle after weeks of extensive training. Highly versatile, yet compact solutions like TELES.iSWITCH, with concentrated intelligence and intuitive user interfaces for installation, operation, and maintenance are the future in switching technology.

## TELES.iSWITCH: Future Proof

Network infrastructure systems of the TELES.iSWITCH product family unite supreme performance, reliability, and economic efficiency.

Key benefits:

- Optimum scalability from 120 to 120,000 simultaneous calls
- Many telecom business model supported

- Supports almost all telecom and next generation signalling protocols
- Super flexible hardware and software architecture
- Seamless upgrade paths for hardware and software
- Full redundant hardware
- Maximum performance with a minimum footprint
- Ultra fast installation and network integration
- Easy maintenance and very low service costs

## Minimising Total Cost of Ownership

Despite of all outstanding advantages, TELES.iSWITCH is based on common and familiar standards. The simple Internet technology based user interface allows switch set up and daily operation without special system knowledge, from a PC connected via WAN or LAN.

# TELES.iSWITCH S2048-NC System

Hardware Specifications		
Enclosure	17	Series NC PICMG <sup>®</sup> 2.0 CompactPCI <sup>®</sup> chassis 9U height
Dimension (HxWxD)		2200mm x 2400mm x 600mm (4* 19" 47U)
Weight		Approx. 2000 kg (4080 lbs)
Midplane	16*9 16*2	Free CompactPCI 6U slots with rear IO Free CompactPCI slots without Rear-IO PICMG 2.0 CompactPCI (cPCI) PICMG 2.16 Packet Switching Backplane (cPSB) 2* Teles HSIC TDM bus PICMG 2.1 cPCI hot-swap <b>Hot-swap and hot-plug</b>
Power	17+17	Power supply units 100-240 VAC 350W (load shared) PICMG 2.11 interface <b>Hot-swap and redundant</b>
Cooling	17+17	Fan tray 300 m <sup>3</sup> /h (load shared) <b>Hot-swap and redundant</b>
Processor	1 16+16	Intel <sup>®</sup> Pentium M <sup>®</sup> system slot CPU card Intel <sup>®</sup> Celeron <sup>®</sup> system slot CPU cards (active/standby) <b>Hot-swap and redundant</b>
System disk	17+16	CompactFlash <sup>™</sup> solid state flash disk on CPU card <b>Hot-swap and redundant</b>
Mass storage controller	1	SCSI controller
Line switching matrix	1	Non-blocking (T-S-S-T) memory time switch board, 65536 PCM channels; Multi chassis OptoHSIC, dual optical ring topology
Packet switching fabric	16+16	Ethernet Fabric Board 100 MBit/s with 11 cPSB links and 4 external links PICMG 2.16 cPCI Packet Switching (cPSB) <b>Hot-swap and redundant</b>
Optional redundant line switching matrix	OrderCode 707551	Doubled Switching Unit (DSU). Redundant standby chassis 9U with redundant line switching matrix
Optional CDR disk	OrderCode 702501	Local CDR storage unit 2U height. RAID1 subsystem 72 GB.
Optional hardware		Please consult pricelist for modules and options
System Capacity and Performance		
Call Capacity		Up to 31744 calls (63488 channels), depending on optional modules
Call Signaling		Up to 2,000,000 BHCA, depending on optional modules
Software Specifications		
Software	17+16	Microsoft <sup>®</sup> Windows2000 <sup>®</sup> Professional Statefull inspection firewall Virus scanner UNIX-like environment for Windows
Required software	OrderCode 790065	Basic Interexchange Carrier (IXC) call flow licence
Optional software		Please consult pricelist for call flows and signaling protocols
Regulatory Compliance		
Emissions and Immunity		EMC Directive 89/336/EC: EN 61000, EN 300 386
Electrical Safety		LVD Directive 73/23/EC: EN 60950
Environmental		ETS 300 019 Class 3K3
Environmental Specifications		
Temperature		5° to 45° C (41° to 113° F) operational
Humidity		5% to 95% non-condensing
Altitude		0 to 3,000 m (10,000 ft)
<b>Order Code 706059</b>		

**Table 1: Technical Specifications**