

## Narrow Band Tester

**SS7 CORE PROTOCOLS** – ISUP, TUP, INAP and Country variants  
**MOBILE PROTOCOLS** – GSM MAP, CDMA/TDMA, IS41, GPRS, SMS  
**ACCESS PROTOCOLS** – ISDN, CAS, R2, V5.1 & V5.2

Easy to Use Colour-coded Menus, Protocol Decodes and Screen Displays •

Decodes Access, Core and Mobile Messages on the Same Screen •

Simultaneous Core SS7, Access and Cellular Protocol Support •

Up to 8 Digital Trunk (E1/T1/BRA/V.35) and Network Interfaces •

Multi-tasking - Run up to 4 Applications Simultaneously •

Intuitive Graphical User Interface Based Applications •

Bulk Call Generation & Stress Testing •

QoS testing of Voice Channels •

CDR Generation and Analysis •

Monitoring & Passive Analysis •

Detailed Graphical Statistics •

Protocol Testing & Scripting •

Regular Software Upgrades •

User-configurable Triggers •

Windows NT Technology •

Central Office Emulation •

Remote Connectivity •

Multiple Filter Levels •

DTMF & MFC Tones •

Post Analysis Filters •

Codec Handset •

WAV File Play •



The **TRITON® 280** multi-tasking, multi-protocol portable tester facilitates installation and troubleshooting within circuit switched networks. A single box supports Protocol Analysis, Stress Testing, Protocol Testing/Xchange, and Emulation test applications.

The **TRITON® 280** allows rapid integration and fault-finding across traditional Core PSTN, Access, Cellular networks. It equally enables equipment and software developers to fully test their design and applications within a LAB environment.

A range of traditional Core SS7 protocols, such as ITU-T and ETSI ISUP, ANSI ISUP, and other country variants such as UK ISUP, BTNUP, Chinese TUP (CTUP), French TUP (SSUTR2), New Zealand ISUP, Spanish ISUP, Malaysian and Danish ISUP are supported.

The **TRITON® 280** also supports Access network protocols such as DASS2, DPNSS, EURO-ISDN, QSIG, CAS, R2, NFAS, North American robbed-bit signaling, and both V5.1 and V5.2 access protocols.

GSM MAP, CDMA and TDMA protocol support is also offered.

ISUP  
TUP  
BTNUP  
INAP  
ISDN  
V5  
GSM MAP  
CAS  
R2  
NFAS  
DASS2  
DPNSS  
QSIG  
CDMA  
TDMA

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## Usage

The **TRITON® 280** is a highly portable tester offering a range of core protocols such as SS7, CAS, R2, V5, ISDN, GSM MAP, INAP and CDMA. Passive Analysis, Emulation, Stress testing and Conformance scripting are all supported as standard. Expandable to support upto 8 E1/T1 interfaces, it can also support V.35 and BRA connectivity. The **TRITON® 280** is ideally suited to commissioning, fault-finding and Stress Testing within traditional PSTN, Private, Cellular and V5 Access network environments.

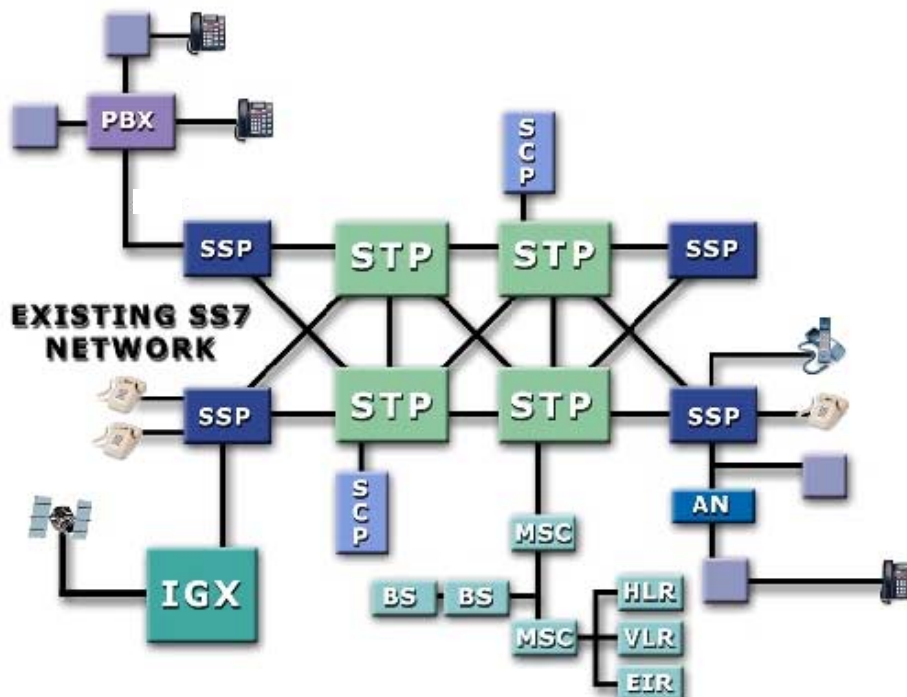
VoIP and GPRS packet switched interfaces are not available on this product. We recommend the **TRITON® 290**.

## Customers

PBX Manufacturers, Switch Manufacturers, VoDSL equipment suppliers, Voice Processing developers, Local PSTN Operators, International Carriers, Service Providers and Mobile Operators.

## Applications

Contact our Sales office or visit our website to receive detailed application notes.



Processor	Intel Pentium III 600 MHz
RAM	256 Mb
Display	14.1" TFT Colour
Dimensions	29.5 x 17 x 15.8 cm (10.2 x 6.7 x 15.8")
Weight	8.18 kg 18lbs
Drives	CD ROM , 3.5" Floppy 1.44 Mb, 40 Gb HD
Protocols	SS7,V5,CAS,R2,ISDN
Interfaces	E1,T1,V.35, ISDN Basic Rate Access (BRA)
Standard Interfaces	4 x E1/T1 full transceiver (Tx/Rx) Ports
Upgrades	8 x BRA ports, 4 x E1/T1 ports ( 8 in total ), 4 x V.35 ports

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