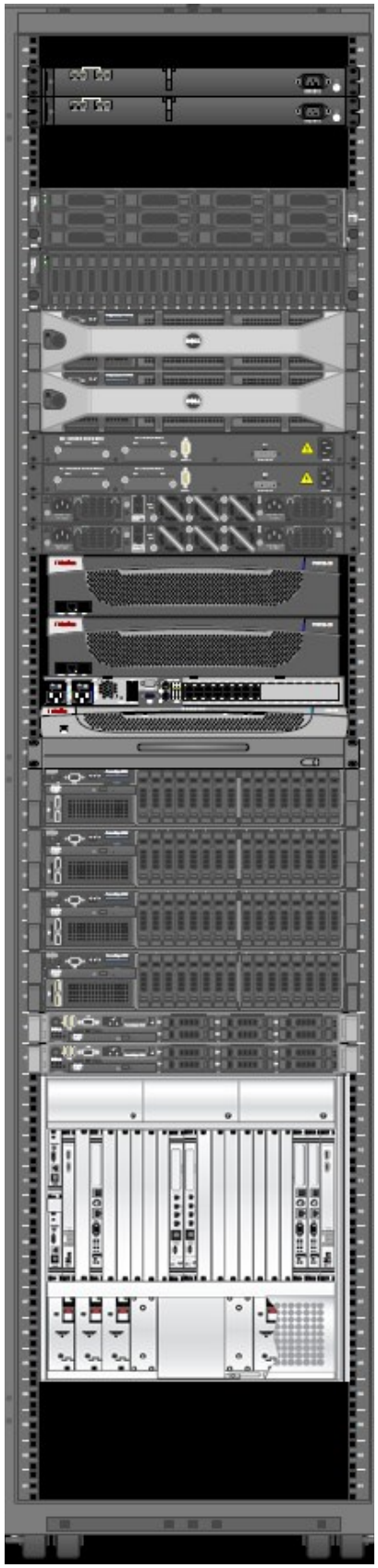

Converged SCP™

An SCP and Remote SIP Gateway in one platform

The Converged SCP™ is a Service Control Point network node which supports both TCAP and SIP query and response messaging in a common platform.

The Converged SCP™ conforms to:

- GR-246-CORE: Specification of Signaling System Number 7
- RFC 2719 SIGTRAN: Framework Architecture for Signaling Transport
- RFCs 3873, 4166, 4960 SIGTRAN: Stream Control Transmission Protocol
- GR-1299-CORE: AIN 0.2 Switch-SCP/Adjunct Interface Generic Requirements
- GR-533 LSSGR: Database Services-Service Switching Points, Toll Free Service
- GR-1188-CORE: 2009 LSSGR: CLASS Feature: Calling Name Delivery Generic Requirements
- SR-4959: SCP-SMS/800 TCP/IP Interface Specification
- TM-STS-000798 SMS/800 SCP Interface Specification
- RFC3261 SIP: Session Initiation Protocol
- RFC4694 LNP: Number Portability Parameters for the "tel" URI
- RFC3976 800/Freephone: Interworking SIP and Intelligent Network (IN) Applications

TCAP and SIP applications to provide the following services have been deployed:

- LNP translations (US and Canada)
- CNAM lookups (hosted and gateway service)
- 800 translations
- Peering service
- IDDD/DDD Least Cost Routing service (in conjunction with TeleDynamicX™)
- Telephone Consumer Protection Act screening services
- Variety of carrier specific services

The Converged SCP™ platform uses commercial off the shelf hardware: Juniper firewall/routers, Dell Compellent iSCSI SANs, Powerconnect 10Gb/1Gb switches, Raritan PDU/KVM switches, Opengear port servers and Dell rack mounted servers. For multiple SS7 switch interconnections we recommend collocating a PT STP with the Converged SCP™.

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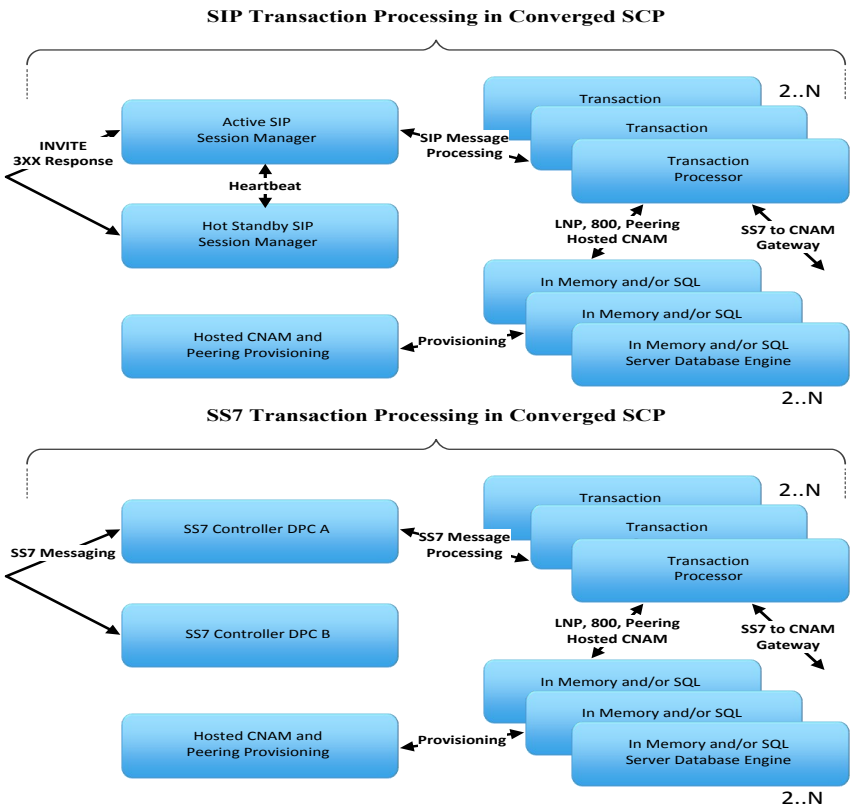

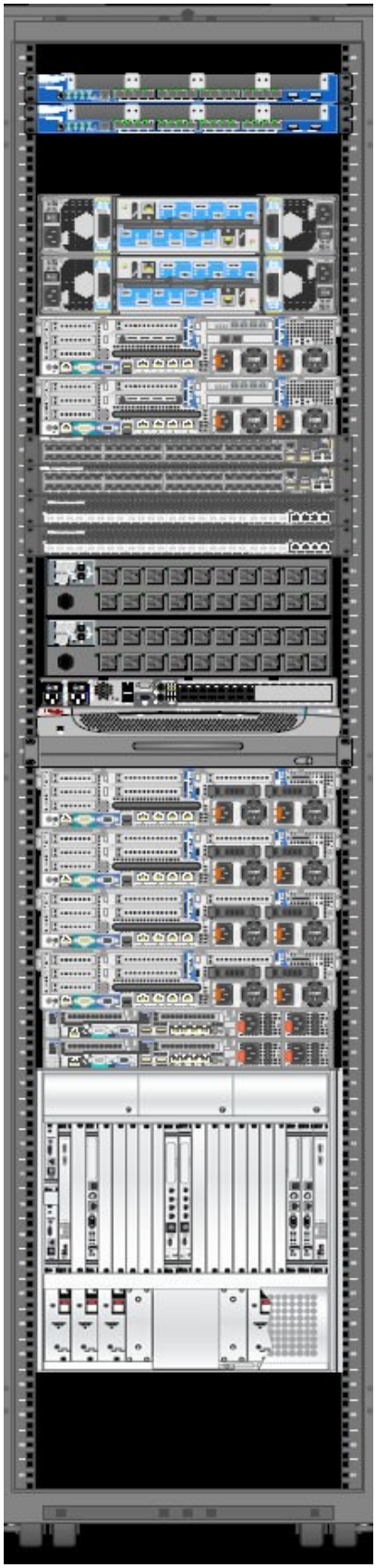

The Converged SCP™ platform can be configured to handle hundreds of transactions per second up to tens of thousands of transactions per second based on the configuration of the tiered storage in the iSCSI SAN, the number of physical servers, the amount of physical RAM deployed in the servers, the number of guest SS7 controllers, the number of guest session managers, the number of transaction processing guest servers, the number of database engines and their mode of operation: in memory or SQL.

Multiple applications can run on the same platform. These applications use multiple SS7 Point Codes and Sub-System Numbers and/or multiple public IPv4 addresses and port numbers.

Currently deployed Converged SCP™ platforms are handling tens of millions of transactions per day.

Call or contact us today.

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TECHNOLOGIES

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