



Session Border Controller PeerPoint™ C100



PeerPoint™ C100



With more than 100 deployments worldwide, PeerPoint is recognized as the leading solution for session border control thanks to an extensive feature set aimed at making VoIP a reality in the service provider environment.

The PeerPoint C100's flexible modes and broad interoperability allow deployment in IP networks without requiring changes to the network or to the VoIP subscribers' equipment configuration. Whether providing a basic VoIP service or a full offering of voice, video, instant messaging, and presence, the PeerPoint C100 is an essential element for secure subscriber access and inter-carrier peering.

NETWORK APPLICATIONS

Far-End NAT Traversal and Connectivity

The most common problem that service providers encounter when deploying hosted IP services is the inability of subscribers' voice equipment to work seamlessly behind Network Address Translation (NAT) equipment and firewalls. PeerPoint ensures that subscribers can connect anywhere, anytime, without having to reconfigure their equipment.

Security

PeerPoint protects the service provider's back-end servers from potential security breaches. Because it sits at the network edge between the back-end servers and the Internet-based users, PeerPoint intelligently allows valid multimedia traffic through and rejects and reports malicious traffic. It also hides the internal network topology information, which would otherwise be exposed by application-layer signaling protocols.

Peering

PeerPoint helps service providers reduce costs and reach new markets by enabling seamless peering with other VoIP providers. In addition, PeerPoint allows service providers to offer SIP trunking capabilities to enterprise customers.

Interoperability

The PeerPoint C100 provides the highest level of interoperability, enabling service providers to use the widest range of end points and servers. PeerPoint is interoperable with leading vendors such as BroadSoft, Cisco Systems, CopperCom, CounterPath Solutions, Grandstream Networks, MetaSwitch, Polycom, Sylanro Systems, and many more.

Auditing, Management, and Problem Isolation

PeerPoint manages both media and signaling, which allows it to collect forensic data such as quality of service (QoS) metrics, remote device information, and voice quality information to help isolate telephony issues or enforce Service Level Agreements (SLAs) with peering partners.

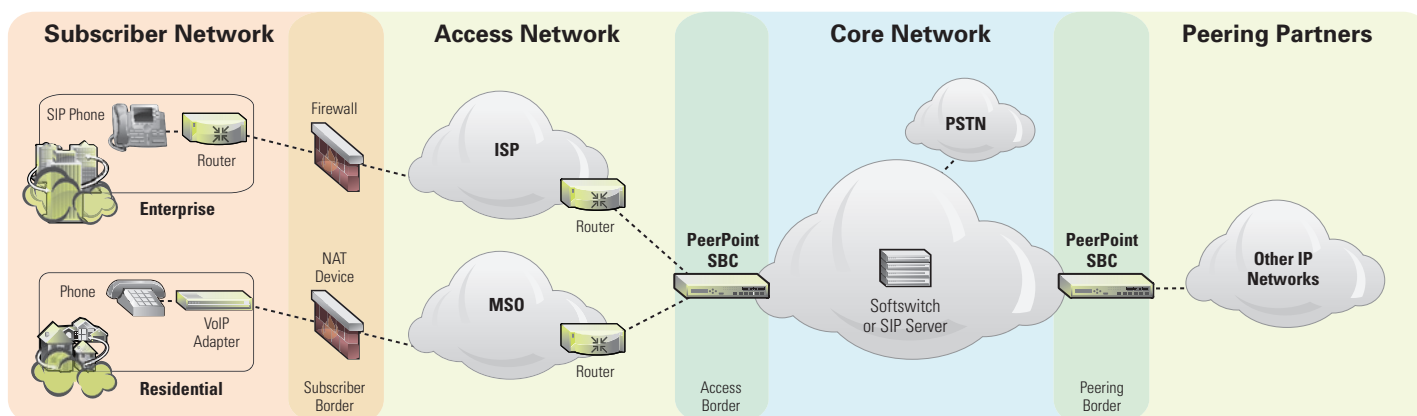
Continuous Service Assurance

The PeerPoint software offers total resiliency during planned maintenance, system outages, network outages, or when back-end servers become unavailable.

- Session Control
- Security
- NAT/Firewall Traversal
- Peering
- VoIP Network Troubleshooting

About Ditech Networks

Ditech Networks supplies voice processing equipment for telecommunication networks around the world. Ditech Networks' technology solutions include voice, media processing, SIP, and security delivered on carrier-grade, scalable platforms to enhance the delivery of voice and other communications services over mobile, Voice over IP, and traditional circuit-switched wireline networks. Ditech Networks (Nasdaq: DITC) is headquartered in Mountain View, California, USA.



Security

- Core network protection
 - Media stateful firewall
 - Media configurable port range
 - SIP request storm protection*
 - Malformed message filter based on B2BUA architecture
 - Configurable unknown header field rejection
 - Signaling stream rate limiting (TCP)
 - Signaling stream access control black/white list
 - Configurable forced call signaling routing
 - Forced IP routing, including Ethernet port forcing
 - RTP packet inspection
- Network topology hiding
 - From layer 3 to 5
 - Dual NAPT
 - Removal and insertion of SIP application headers and fields (ROUTE, VIA, etc.)
- Encryption
 - Encryption enforcement policies
 - Configurable forced transport transcoding (UDP, TCP, TLS)
 - Configurable media encryption transcoding (RTP to SRTP, SRTP to RTP)
 - SRTP to SRTP with session logging

Inter-Carrier Peering

- Forced routing
- Media bypass option
- SIP URI normalization*

Service Assurance

- Far-end NAT traversal
 - Remote NAT pinhole maintenance
 - Remote NAT channel mapping
 - Registration binding
- Media audit and Media Path Optimization (MPO)
- Automatic Session Termination (AST)
- QoS enforcement

High Availability

- VRRP-based failure detection
- Remote server redundancy, load balancing, and prioritization

Management Services

- Secure CLI (SSH2, SCP)
- RADIUS authentication
- Multiple levels of administrative read/write privileges
- External reporting
 - Call statistics
 - NAT information
 - 3 level signaling tracing*
 - Syslog
 - SNMP Ditech MIB*
 - SIP MIB*
- Internal SIP logs for forensics

Legal Compliance

- Media and signaling stream duplication and routing
- Standard interface to legacy CALEA/ETSI infrastructure*

Interface Connections

8-port 10/100/1000Base-TX copper, auto negotiation

Dimensions and Weight

Height x width x depth:

1.75 x 17.0 x 16.75 inches
(43.5 x 432 x 426 mm)

Mounts for 19" ANSI/EIA racks

Weight: 15 lbs (6.8 kg)

Power and Cooling

AC voltage: 110/240 VAC, 50/60 Hz autosensing

DC voltage (optional): -36 to -60 VDC

Power consumption: 125W (2.6A @ -48 VDC)

Forced air cooling

Environmental

Non-operational temperature: -20° to 80°C

Operational temperature: 0° to 40°C

Operational humidity: 10 to 90%, non-condensing

Heat output: 425 BTU/hour

Regulatory Information

UL 60950 / EN 60950

CAN/CSA-C22.2

FCC part 15 Class A

EMC Directive 89/336/EEC

EN 55022 (CISPR 22) Class B

EN 55024

EN 61000

CE Mark

RoHS 5/6

*Future capability



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