



## Turn-Key Server S1000 Specifications

The S1000 is a turn-key server solution. It comes with all the necessary billing software and hardware to support in-network calls as well as to interface with any long distance carrier of choice for PSTN calls.

The standard configuration consists of 2 1U servers for call processing and redundancy and 1 4 U database server. It will support up to 50,000 subscribers and is fully scalable to support a larger customer base. The S1000 can be deployed any where in the world. It can also be hosted and maintained by IPN for a fee.

<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• Address Analysis</li> <li>• Soft Switch</li> <li>• Switch-in Control</li> <li>• Bandwidth and Region Management</li> <li>• Call Management</li> <li>• Call Control Signaling</li> <li>• Built-in GK Router, RADIUS and Billing Server</li> <li>• Calling Detail Record (CDR)</li> <li>• Web based Management</li> <li>• Real-time Charging and Inquiry</li> <li>• Adaptive to Dynamic Terminal IP Address</li> <li>• Supports up to 99 Groupings</li> <li>• Historical Record Reports</li> <li>• Blacklist Reports</li> <li>• Session Statistics Reports</li> <li>• Call Transfer</li> <li>• Voice Mail</li> <li>• Conference</li> </ul>	<p><b>Standards:</b></p> <ul style="list-style-type: none"> <li>• IEEE 802.3 10 BaseT</li> <li>• Cisco GK and GW Compatible</li> <li>• H.323 v2 and SIP</li> <li>• Supports Certification of H.235 CAT, MD5 and SHA1</li> <li>• TCP/IP: Internet Transport and Control Protocol</li> <li>• RTP: Real-time Transport Protocol</li> <li>• RTCP: Real-time Control Protocol</li> <li>• DHCP: Dynamic Host Configuration Protocol</li> <li>• PPPoE: Point to Point Protocol of Ethernet</li> <li>• DNS: Domain Name Server</li> <li>• NTS: Network Time Service</li> <li>• FTP: File Transfer Protocol</li> <li>• HTTP: Hyper Text Transfer Protocol</li> </ul>
<p><b>Services:</b></p> <ul style="list-style-type: none"> <li>• IP Phone to IP Phone</li> <li>• IP Phone to Phone</li> <li>• Phone to IP Phone</li> <li>• Recharge Card Payment</li> <li>• Credit Card Payment</li> <li>• Pre-Payment</li> <li>• Post-Payment</li> </ul>	<p><b>Recommended Usage:</b></p> <p>Single Configuration</p> <ul style="list-style-type: none"> <li>• Maximum 5,000 IP Phone</li> <li>• 500 calls (Switch Mode) / &gt; 1,500 calls (Control Mode)</li> <li>• Support Alternant</li> </ul> <p>Cluster Configuration</p> <ul style="list-style-type: none"> <li>• Maximum 200,000 IP Phone per cluster</li> <li>• 5,000 calls (Switch Mode) / &gt; 10,000 calls (Control Mode)</li> </ul>

	<ul style="list-style-type: none"> <li>• 6 Gatekeeper and one Billing Server per cluster</li> <li>• Intra-cluster feature transparency</li> </ul>
<p><b>1U Server</b></p> <ul style="list-style-type: none"> <li>• Superserver 5013S or B</li> <li>• Xeon CPU 2.4 GHz, 533 FBS, 512 L2 Cache</li> <li>• Adaptec 2010 S RAID SCSI OCH U320 w/ Cable, Sf RPK</li> <li>• 512 M RAM ECC Reg</li> <li>• 36 G Hot-swap Maxtor Ultra SCA 3.5" SCSI drive</li> <li>• Floppy Drive</li> <li>• 24x CDROM</li> <li>• 1 10/100 NIC and 1 10/100/1000 NIC</li> <li>• Linux 7.3</li> </ul>	<p><b>4U Server</b></p> <ul style="list-style-type: none"> <li>• SuperMicro 7043 P-8R</li> <li>• Xeon CPU 2.8 GHz, 533 FBS, 512 L2 Cache</li> <li>• Adaptec 2010 S RAID SCSI OCH U320 w/ Cable, Sf RPK</li> <li>• 512 M RAM ECC Reg</li> <li>• 73 G U320 Hot-swap Maxtor Ultra SCA 3.5" SCSI drive</li> <li>• 2 extra 73 G U320 SCSI (uninstalled)</li> <li>• Floppy Drive</li> <li>• 52x MSI CDROM</li> <li>• 2 10/100/1000 NIC</li> <li>• 2 10/100/1000 NIC (Zonet)</li> <li>• Linux 7.3</li> <li>• MySQL</li> </ul>