

Samsung Communication Manager - Configuration Guide

NAT Traversal – July 2017

Using NAT Traversal with the SCM

This guide is a quick reference sheet detailing all of the network ports used by the SCM for the various services offered. When the SCM is located on a private network, divided by a router, NAT Traversal must be employed to map external network traffic to the SCM on an internal network. This guide applies to SCM software SCME v5.2 and SCMC v1.5 or later.

SCM Service	Description (* Denotes a Remote Port)	TCP Port	UDP Port
General	FTP Server	20, 21	
	Secure Shell	22	
	Telnet	23	
	HTTP Web Server	80, 443	
	LDAP Server	389	
	NTP		123
Provisioning	TFTP Server		69
	Gateway Provisioning	8088, 8089	
	Phone upgrade from Proprietary to SIP	-	6000
Remote Endpoints	Remote IP Phone Signalling	20000, 20200	20200
	Remote IP Phone RTP Path		52000~53024
NMS	SNMP Agent		161
Personal Management	Personal Assistant for Call Service	8080, 9500	
	Single Sign-On, PWP for UMS/Conference	4002, 4004, 4102	
System Management	SCM Administrator	20001~20006	
	PostGRE DBMS connection	5432	
Call	SIP Signalling	5060, 5061	5060
UMS	UMS Data	8624	
	RTP path for UMS		14002~14130
	Signalling for E-mail Server	25*, 143*, 993*, 587*	
	Signalling for Outlook client	3681, 3683*, 22001	
	UMS File Server	2200	
Conference	Call Signalling for Conference	3333	
	RTP path for Conference		44000~49998
MOH	RTP path for MOH/Announcement		35000~35999
MPS	RTP path for MPS (Media Proxy Service)		40000~40799
Others	CSTA link for each user group	6000~6127	
	PMS link	9050, 9052	
	Proprietary Application server link	9090, 9092, 9094	9090
	Voice Monitoring server link	9000, 9002, 5110	
	Remote Dial client link	9010, 9011	
	mySingle link	18126, 18124	
	Mobile Phone Service (Presence, Location Service)	18202	
	CDR (Call Data Record)	10306, 2300	
RADIUS	RADIUS Authentication, Accounting		1812*, 1813*
APC	Samsung APC interworking	9014	
Push Service	WE VoIP Push service: iOS (2195), Android (443)	2195*, 443*	
Inter-SCM Service	Inter-SCM interworking	11102	
Active-Active	Active-Active Inter-system Connection	1122, 1124	