Configuration Guide

POTS Replacement with DataRemote Firewall and Router

This guide outlines the network configuration requirements for your Fusion Connect POTS Replacement service, including the IP addresses and ports that must be allowed through your firewall and router.

It covers two required areas:

1. **DataRemote Network Requirements:** Inbound and outbound traffic for enhanced RTP, management, and supporting network services.
2. **Voice Requirements:** Server IP addresses and ports required for SIP signaling and RTP audio.

These requirements apply only when the device is connected to an Ethernet-based internet connection. Both sets of requirements must be configured for your POTS Replacement service to operate properly.

If the device uses mobile/cellular connectivity exclusively, these network changes are not required.

1. DataRemote Network Requirements

First apply the DataRemote network requirements for inbound and outbound traffic then configure the voice.

A. Inbound and Outbound RTP Traffic

Purpose	Network Address	Protocol	Destination Ports
RTP — Voice	See Voice Requirements section		
RTP — Enhanced Modem / Fax / Alarm	128.254.140.0/22 12.44.197.0/24 12.111.243.0/24 12.22.54.0/24	UDP	10000–40000

B. Outbound Traffic Only

Purpose	Network Address	Protocol	Destination Ports
Management	0.0.0.0/0 *	TCP	443, 8883

*** Management address options:** Use 0.0.0.0/0 to accommodate future IP expansion. If firewall policy does not permit outbound traffic to any IP address on TCP ports 443 and 8883, use the alternative networks listed below: 142.215.242.0/24 and 12.44.197.0/24.

Management — Alternative Networks	142.215.242.0/24 12.44.197.0/24	TCP	443, 8883

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Purpose	Network Address	Protocol	Destination Ports
WAN Failover	8.8.8.8/32 8.8.4.4/32 1.1.1.1/32	ICMP	
DNS	8.8.8.8/32 8.8.4.4/32	TCP & UDP	53
DHCP	0.0.0.0/0	DHCP	67
NTP	0.0.0.0/0	UDP	123
RTP — Voice	See Voice Requirements section		
RTP — Enhanced	128.254.140.0/22	TCP & UDP	7060, 7160, 10000, 10100

2. Voice Requirements

Voice traffic uses Fusion Connect SIP Trunks and requires the server and port configurations below, in addition to the DataRemote Network Requirements.

A. Primary VoIP Registration Servers

Hostname	IP Address
sip.thevoicemanager.com	65.48.100.36
sip2.thevoicemanager.com	216.86.41.69
sip3.thevoicemanager.com	216.86.41.166
sip7.thevoicemanager.com	216.86.41.200
sipnyc.thevoicemanager.com	216.86.42.230

B. SIP Signaling and RTP Audio Ports

Traffic may be allowed on all ports to the registration servers listed above. If port restrictions are required, use the SIP signaling and RTP audio ports in the following table.

Content	Protocol	Port
SIP Signaling	TCP / UDP	5060–5061
SIP Signaling	TCP / UDP	5090–5091
SIP Signaling	TCP / UDP	6000–6008
RTP Audio	UDP	10000–65535

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