

# Identifying Devices that Support the T.38 Fax Protocol

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## Introduction

This article is one in a series to assist in the setup, troubleshooting, and maintenance of Cisco Small Business products (formerly Linksys Business Series).

### Q. What are the devices that support the T.38 fax protocol?

A.

The T.38 can be used as a **FoIP** protocol by itself, running over UDP. It is also adapted to be included as image / T.38 in a SDP attached to a SIP Invite – this way running as a "codec".?

The following products that are currently supporting the T.38 fax protocol:

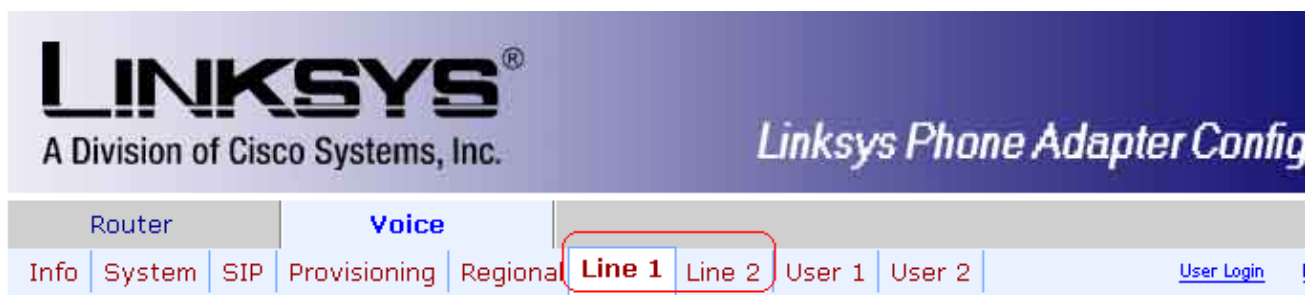
- SPA2102
- SPA3102
- SPA9000

*Note: The PAP2 and the PAP2T do NOT support the T.38 fax protocol.*

### Setting-Up your Fax Machine?

#### Step 1:

Log into the SPA's Web-Based setup page and click the Line tab you want to setup your fax machine.



#### Step 2:

Scroll down to the bottom of the screen and look for **Audio Configuration**.

By default, the selection for fax is already enable and set to **YES**.? Make sure you select the proper codec need it for your Fax transmission which only G.711u or G.711a are the only option that can be used, when selecting the **Fax Passthru Codec**.

Make sure when connecting a fax machine to your SPA, that you select **ReINVITE** next to **Fax Passthru Method**. And make sure you have the **T.38** option set to **YES**.

Audio Configuration			
Preferred Codec:	G711u	Silence Supp Enable:	no
Use Pref Codec Only:	no	Silence Threshold:	medium
G729a Enable:	yes	Echo Canc Enable:	yes
G723 Enable:	yes	Echo Canc Adapt Enable:	yes
G726-16 Enable:	yes	Echo Supp Enable:	yes
G726-24 Enable:	yes	FAX CED Detect Enable:	yes
G726-32 Enable:	yes	FAX CNG Detect Enable:	yes
G726-40 Enable:	yes	FAX Passthru Codec:	G711a
DTMF Process INFO:	yes	FAX Codec Symmetric:	yes
DTMF Process AVT:	yes	FAX Passthru Method:	ReINVITE
DTMF Tx Method:	Auto	FAX Process NSE:	yes
Hook Flash Tx Method:	None	FAX Disable ECAN:	no
Release Unused Codec:	yes	FAX Enable T38:	yes
FAX Tone Detect Mode:	caller or callee		

## Related Information

- [Technical Support & Documentation – Cisco Systems](#)