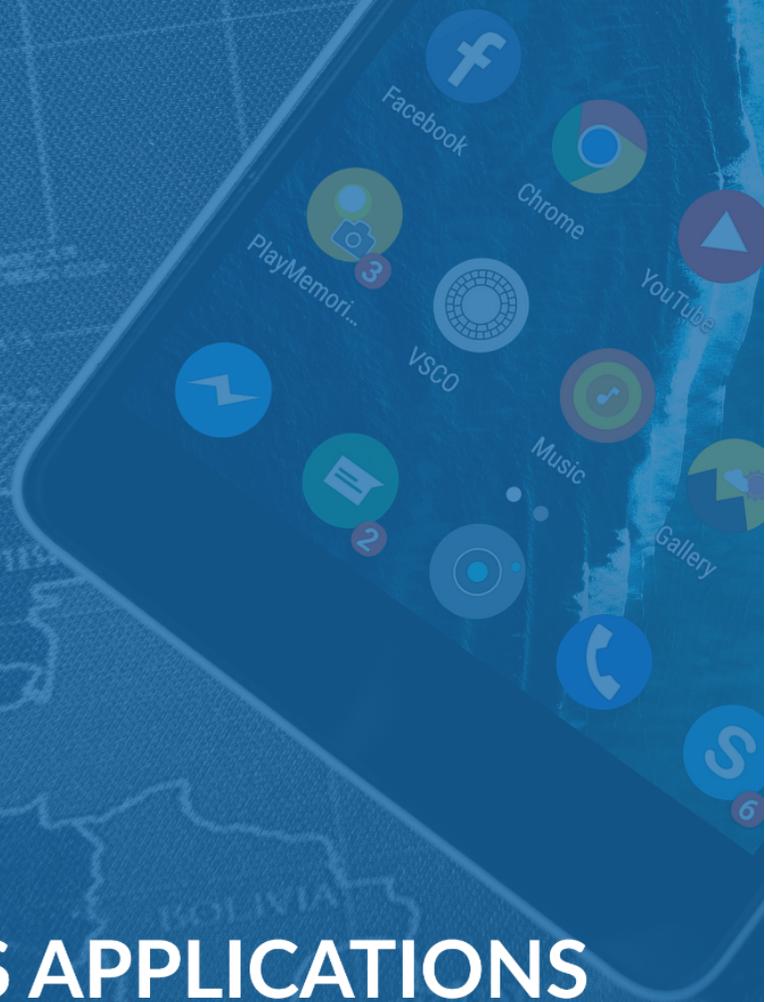


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Tools for  
**ENCRYPTING YOUR  
PHONE CALLS**



**ONLINE BUSINESS APPLICATIONS  
WORTH INVESTING TIME**

# Tools for Encrypting Your Phone Calls

By Steven Brough

**OUTSOURCE THAT**

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## Introduction

Recent revelations by the spy Edward Snowden focused attention on the ease with which it's possible to infiltrate unsecured conversations. This has led to an increase in demand for services that provide encrypted solutions for small business owners. Here's an analysis of five solutions currently offered within the marketplace.

## 1. Nabishi Systems: From Bedroom Operation to Market Leader

Nabishi Systems is a specialist organization based in the southern part of the United Kingdom. It was initially set up to market and service new and used radio equipment, but quickly grew to become a leader in the supply of encryption and security products. The organization has some clients from across a broad range of markets, including defense, police, and local government.

Their IP Desk Phone is a device that's meant to connect to a similar device at a remote location and uses Internet protocol, while securely adapting the voice call to the very highest level of end-to-end encryption. It uses the same level of encryption as featured on the company's other satellite and mobile phone solutions. The project will generate session keys for each call that are summarily destroyed as soon as the call ends. It features 256 - bit AES and Twofish session encryption. This approach ensures that any telephone conversation on important business matters will be free from unauthorized listening or eavesdropping. The system connects to the Internet using an RJ 45 plug and has an audio port for hooking up to video conferencing gear.

Conversely, the Encrypted Gateway solution offered by this company does not require the use of identical end to end units. This could be of interest to those who are constantly on the road and traveling in potentially less secure areas. This solution is particularly useful in foiling the "man in the middle" or somebody who uses easily available products to create a fake base station to infiltrate mobile phone conversations. The Encrypted Gateway can combine secure mobile communications with landlines through VoIP technology. It's able to connect an encrypted call between a mobile and a PBX extension, ensuring that all extensions within the