



PABX Firewall

Phone system hacking

Help to protect your business

PABX Toll Fraud

PABX toll fraud is becoming increasingly widespread and is costing businesses thousands of pounds in unexpected telephone bills. PABX 'phreaking', as it is sometimes known, is carried out by fraudsters who hack into a phone system, often at night or at weekends when it

is least likely to be detected, running up huge costs for the unsuspecting owners.

There are even websites dedicated to phone system hacking which is now becoming big business for organised criminals rather than just a wheeze for Internet

geeks. These fraudsters know that most companies protect their network and PC's with anti-virus software and a firewall but when it comes to their phone system companies are often oblivious to the dangers-until it is too late.

How does it happen?

The installation of a phone system and ongoing management of users and extensions is a challenge even without the day to day running of your organisation. Minor tasks such as setting and changing voicemail passwords are often forgotten or people choose a password that is easy to remember, and as such easy to guess. Fraudsters

know this and randomly and routinely dial into a phone system, locate a voicemail box that is not secure and dial out to anywhere they choose. They will occasionally use a network of telephone systems to reduce detection rates and even if a robust system of changing voicemail passwords is in place the hackers could attack the system via the

remote diagnostics service. Using software available on the internet they can hack the engineering or manufacturer developer passwords in order to reprogram the PABX. Unfortunately voice security is a widespread issue and we sometimes need to look inward at rogue members of staff who have been known to leak passwords to hackers.

How can it be stopped?

PABX Firewall is an anti-fraud system that monitors dialled calls and electronically disconnects any pre-set unauthorised numbers. The Firewall applies your rules, set to match your business hours all day, every day, in and out of working hours. You are

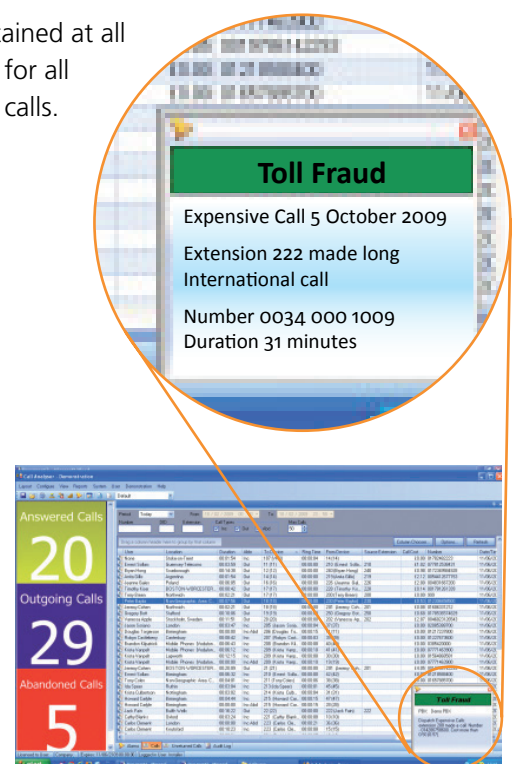
in control, and can stop all calls or perhaps at night and weekends allow calls to special numbers, emergency services and staff home numbers. You can even limit the number of simultaneous calls if required. The functionality of the phone system and the network is

maintained at all times for all other calls.

Double protection with Call Analyser

PABX Firewall, can be purchased, leased or provided as a managed service, either as a standalone system or as part of a call recording and call management system. When used in this way, PABX Firewall can be a powerful tool to identify fraudulent activity, day

and night as well as managing and reporting on legitimate call activity, identifying your most productive employees, improving training and protecting against 'who said what' disputes.



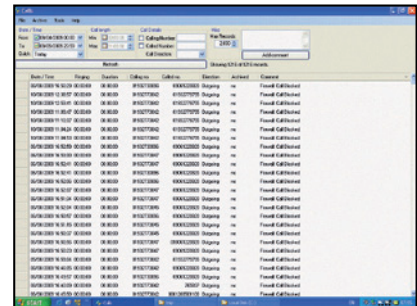
Call Analyser Recording

PABX Firewall

Anti hacking - Anti toll fraud system

Main Features

- Helps to prevent PABX fraud
- Reduces business costs and disputes with service providers
- Recognises unauthorised numbers and prevents connection
- Prevents unauthorised calls to predetermined numbers during office hours
- On site configuration ensures high level of security
- Connects easily between phone system and network termination point
- Does not limit the functionality of the phone system
- Avoids the need to switch off trunk to trunk calling
- If the call is blocked the caller hears an unobtainable tone
- Events log highlights blocked attempted calls & numbers
- User determined rules for out of hours outbound dialling
- Enable pre-specified international calls to 09 and 08 numbers
- Limit the number of simultaneous incoming calls and outgoing calls out of hours
- Restrict incoming calls by DDI number
- User defineable censure list denies connection of unauthorised calls
- Works with any brand, type or age of PABX
- Expandable with additional hardware
- Does not require a PABX with TAPI
- Firewall is the same form factor as DVD drive bay
- Easy upgrade path to Call Recording systems
- Low power consumption



Options

1 Year Warranty

Installation Service available

Optional On-Site Maintenance

Choose from

- 1u rack mount kit
- UPS to protect in case of power loss
- Standalone Voice Firewall
 - ISDN 30 - 30 channels per interface
 - ISDN 2 - 8 channels per interface
- Live calls monitor when used with PC
 - May require a PC for time clock
- Full Recording with integrated Call Management
- Your PABX should support En-Block dialling



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