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Asterisk X100P FXO \$39.95	Voip Pbx	MAIN MENU
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BUILD YOUR OWN PBX	99	Tech Data Pros
User Rating:		Nelly S Divy
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Written by Kerry Garrison		
Tuesday, 08 March 2005		IP-Enabled PRY ID222
What would it mean to you to have your own full-featured PBX sy	stem at your home or small office? What would it mean to you if	Full function PBX system
you could build an entire PBX system (minus the phones) on hard	dware you probably have laying around, AND that it can probably ieve doesn't it but using old hardware and some open source	with VoIP & various
software, you really can build a commercial quality phone system	that would normally cost thousands of dollars.	NETWORK SERVICES. www.eletech.com
As I mentioned in the opening, we are going to build our PBX sys	stem from equipment that we have laying around the house. After	
cannibalizing three spare systems, what was left was a PII 450, 3	386mb RAM, 12gb HD, 48x CDROM drive, and an Intel Pro	
like BroadVoice (more on this later). If you want to use regular ar	alog phone lines you will need modem card. Not every card will	
new on eBay for \$6.95 each. So far, total out of pocket expense to	Im Wildcard X100P FXO card which can be purchased brand for the card plus shipping: \$12.90.	Solution
The Software		Don't buy your next Phone
The software for our PBX system is the open source package called		System Save 80%
Asterisk. When I said that this was a full-featured PBX system, I wasn't kidding. The following is NOT a complete list of features:	Asterisk@Home	www.VoiceNext.com
AUSI On-Screen Menu System	E911	
Automated Attendant	Interactive Voice Response (IVR)	Outsourced Routes
Blacklists	Music On Hold	Control HostodSwitch Solution for
Blind Transfer	Music On Transfer	VoIP Routing, Billing,
Call Forward on Busy	Predictive Dialer	Monitoring
Call Forward on No Answer	Overhead Paging	www.mostedSwitch.com
Call Parking	Remote Office Support	
Call Recording	Roaming Extensions	
Call Retrieval	Route by Caller ID	Telephony
Call Routing (DID & ANI)	Spell / Say	Free Voice Around the
Call Transfer	Supervised Transfer	VolP Technology
Caller ID	Text-to-Speech (via Festival)	www.voiceglobe.net
Conference Bridging	Three-way Calling	
Distinctive Ring	VoIP Gateways	
Do Not Disturb	Voicemail	
While Asterisk can run on numerous systems from Linux to even Asterisk on our salvaged equipment as simply as possible. To aid	flash ROM for some LinkSys routers, we will focus on installing d in our install. Asterisk@Home is a pre-package ISO image that	
automates the installation of Asterisk and adds a usable web interface to monitor and configure your system.		
With a VOIP PBX system you have three basic means of providir	ng access to the users (the phones).	
SIP Compliant Handsets (\$70 - \$500)		
PC Based SoftPhones (Free)		
ATA (Analog Telecommunications Adaptor) (\$50 - \$500)		
Without having to spend any money on our technogeek special PBX system, we will set it up for the time being with X-Lite softnances		
Installation With Asterisk@Home, you simply need to download the disk ima	age, burn it to a CD, and boot off of it.	
Boot your Asterisk PC with the CD and press enter		
NOTE: This will erase all data on the hard drive of the PC!!!		
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