



# ***P Series Hardware Platform*** *For developers*



The P-Series Hardware Appliance is the newest platform offered by Zycoo. Featuring an Intel Atom CPU and Gigabit network interfaces, the P-Series appliance is the perfect solution for everything from VoIP software such as Elastix to Firewall software such as Untangle and pfSense.

By utilizing Zycoo's custom telephony modules, the P-Series hardware supports up to 8 FXO/FXS, 2 T1/E1, 8 GSM, and 4 BRI (depending on model). Additionally, with the optional hardware echo cancellation module, customers will experience high quality audio transmission.

### **Highlights:**

-x86 architecture allows for most Linux and FreeBSD software packages to run natively, including:

- Asterisk
- pfSense
- Untangle
- Elastix
- FreePBX

-With optional telephony integration on the P1 and P2 models, customers can build robust telephony appliances featuring FXO, FXS, T1/E1, GSM, and BRI connectivity.

-Optional 3G/LTE module can provide wireless data to remote locations.

-Management is accomplished through the onboard video port.

-2 External USB can be used for keyboard/mouse connection and storage: voicemail, IVR, etc

-Audio line-in/line-out for music source or speaker output.

-Optional hardware echo cancellation module provides crystal clear voice.



### Hardware Interfaces

Item	P0	P1	P2
Processor	ATOM D2550	ATOM D2550	ATOM D2550
RAM	DDRIII 1 GB	DDRIII 1 GB	DDRIII 2 GB
Storage	32GB SSD	32GB SSD	500GB 2.5" SATA
Ethernet	4*10/100/1000Mbps	2*10/100/1000Mbps	2*10/100/1000Mbps
USB	2*USB2.0	2*USB2.0	2*USB2.0
VGA	1*	1*	1*
Hardware Echo Cancellation	None	optional	optional
Audio	None	Audio In/Out Port	Audio In/Out Port
ANT(3G/LTE)	optional	optional	optional

### Telephony Interfaces

Item	P1	P2
Telephony Interface	1 Slot	2Slot1
Module Type	4FXS, 4FXO 2FXOS(2FXO+2FXS), 4GSM 2GSM, 4BRI,1E1/T1	4FXS, 4FXO 2FXOS(2FXO+2FXS), 4GSM 2GSM, 4BRI,1E1/T1
Capacity	Up to 4FXS Up to 4FXO Up to 4GSM(SIMs) Up to 1E1/T1 Up to 4ISDN BRI(8 channels)	Up to 8FXS Up to 8FXO Up to 8GSM(SIMs) Up to 2E1/T1 Up to 4ISDN BRI(8 channels)

**NOTE: BRI Module is applicable for CooVox phone system only;  
If your system is Elastix or FreePBX, please DO NOT use BRI Module.**

For more information about expansion telephony modules, please refer to the datasheet of the modules from ZYCOO official website

### Power Requirements

Item	P0	P1	P2
Input Voltage	DC +12V/5A	DC +12V/5A	AC 100~240V 47-63Hz
Max Input Power			81W

### Environment Requirements

Working Temperature	0 °C ~ 40 °C
Storage Temperature	-20 °C ~ 55 °C
Humidity	5~95% Non-condensing

### Package

Item	P0	P1	P2
Dimension	300 × 230 × 45 mm	300 × 230 × 45 mm	440 × 275 × 45 mm
Net Weight	1.75kg	1.95kg	3.42kg
Gross Weight	2.5kg	2.92kg	4.5kg