



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.

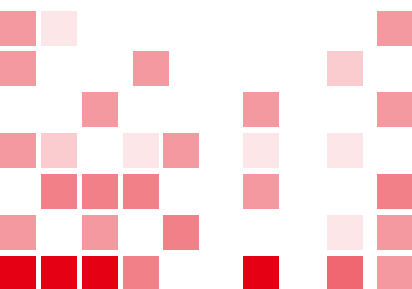
-Management is accomplished through the onboard video port.

-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. system recovery(future).

-2 hardware echo cancellation modules work for smooth communication.



Hardware Interfaces

Item	P0	P1	P2
Processor	ATOM D2550	ATOM D2550	ATOM D2550
RAM	DDRIII 1 GB	DDRIII 1 GB	DDRIII 1 GB
Storage	32GB SSD	32GB SSD	500GB 2.5" SATA
Etchernet	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 8ISDN BRI(16 channels)

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 × 200 × 45 mm	300 × 200 × 45 mm	310 × 500 × 90 mm
Net Weight	2.8kg	3kg	4.8kg
Gross Weight	3.5kg	4kg	5.5kg