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(54) A D S L      H o m e P N A

A , HomePNA , ADSL HomePNA ADSL , 10Mbps HomePNA , 8Mbps ADSL HomePN ADSL , PCMCIA , HomePNA , ADSL , 10Mbps HomePNA , 8Mbps ADSL , 가 가 , 가 가 , 가 .

1	HomePNA		
2			
3			
4	3		
5	3	PCMCIA	A/B
6	3	ADSL	
7	3	HomePNA	

ADSL(Asymmetric Digital Subscriber Line : 가 )  
 10Mbps HomePNA(Home Phoneline Networking Alliance : )  
 ADSL  
 HomePNA , HomePNA  
 ADSL 가 , HomePNA ADSL PCMCIA(Personal  
 Computer Memory Card International Association : )  
 , HomePNA ADSL  
 HomePNA ADSL  
 , HomePNA 10Mbps HomePNA 2.0 ITU-T G.992.1(G.dmt)  
 ADSL HomePNA  
 1 , HomePNA 가  
 1 PNA (10) 1Mbps HomePNA , 1Mbps Home  
 Mbps , 가 300m , 가 , 1  
 , HomePNA (10) , HomePNA ADSL 가  
 HomePNA ADSL  
 omePNA , 10Mbps H  
 8Mbps ADSL 5.4Km ,  
 ePNA ADSL 가 PCMCIA , Hom  
 HomePNA ADSL 가 ,  
 HomePNA ADSL ,  
 가 , ,  
 bps HomePNA HomePNA , 10M  
 8

Mbps ADSL ADSL , HomePNA ADSL HomePNA ADSL  
 , PCMCIA , 10Mbps HomePNA  
 , 8Mbps ADSL 가 5.4Km  
 , HomePNA ADSL 가 PCMCIA  
 가 , HomePNA ADSL  
 HomePNA ADSL  
 , 2 , (100) 가  
 2 , (100) 8Mbps AD  
 SL , 10Mbps HomePNA  
 RJ11 (40) HomePNA (20) PC(Personal Computer) 10Mbps HomePNA  
 HomePNA (30) PC USB(Universal Serial Bus : )  
 10Mbps HomePNA PC USB 10Mbps HomePNA  
 , 10Mbps HomePNA PC USB  
 3 , (100) 가  
 3 , ADSL (130) ADSL ADC(Analog Digital Conversion)  
 , DMT(Discrete MultiTone) , ATM(A Transfer Mode) TC(Transmission Convergence)  
 , SAR(Segmentation And Reassembly) PCMCIA 16 (Bits) PCM  
 CIA A PCMCIA A (120a) 26 PCMCIA A (120a)  
 , PCMCIA A (120a) 26 PCMCIA A , 16 PCMCIA A  
 PCMCIA A SAR , ATM TC , DMT DAC(Digital Analog  
 Conversion) ADSL (120a) (latch) 가 (enable) , 26 CPU 2  
 6 PCMCIA (110) 16 , 2 PCMCIA A  
 가 , ADSL (130) , ADSL CPU 16 PCMCIA A  
 16 , PCMCIA A (110) , CPU PCMCIA A  
 , 2 PCMCIA A 가 ADSL (130) P  
 CMCIA A CPU PCMCIA A (110) ADSL (130) (program)  
 (110) , PCMCIA A (120a) 26 CPU , 2  
 PCMCIA A , CPU PCMCIA A 가 , ADSL (130)  
 , 2 PCMCIA A CPU (110)  
 ( ) DRAM HomePNA PCM  
 CIA B (120b) , PCMCIA A (120a) CPU  
 , 2 PCMCIA A (120a) , PCMCIA B (12  
 120b) HomePNA (140) , PCMCIA B (12  
 0b) 26 CPU , 2 PCMCIA B , CPU  
 PCMCIA B PCMCIA B 가 HomePNA (140)  
 , 2 PCMCIA B CPU (110) DR  
 AM , 2 PCMCIA A (120a) 가 ADSL  
 PCMCIA B 가 PCMCIA B (120b)  
 , 2 PCMCIA B (120b) C

PU PCMCIA B PCMCIA B (120b) CPU 26 P  
 CMCIA (110) 16 CPU PCMCIA B 가 CPU 26 P  
 mePNA (140) HomePNA (140) 16 PCMCIA B Ho  
 CPU (110) CPU PCMCIA B 16  
 , PCMCIA B 가 CPU PCMCIA B  
 , 2 PCMCIA B 가 HomePNA (140)  
 PCMCIA B CPU (110)  
 HomePNA (140) HomePNA ADC(Analog Digital Conversion)  
 , QAM(Quadrature Amplitude Modulation)/FDQAM(Frequency Diverse QAM) , IEEE 802.3 CSMA/  
 CD(Carrier Sense Multiple Access with Collision Detection) MAC(Medium Access Control) PCMCIA  
 16 PCMCIA B PCMCIA B PCMCIA  
 B (120b) , PCMCIA B (120b) 26 PCMCIA  
 B , 16 PCMCIA B PCMCIA B MAC , QAM/F  
 DQAM DAC(Digital Analog Conversion) HomePNA  
 4 (110)  
 , CPU(111) (memory) , PCMCIA  
 ADSL (130), PCMCIA A (120a), PCMCIA B (120b) HomePNA (140)  
 , ADSL (130) HomePNA (140)  
 (140) ADSL (130)  
 , ROM 16 CPU ROM(112)  
 , ROM(112) , PCMCIA A (120a)  
 16 CPU DRAM  
 32 CPU DRAM(113) , DRAM  
 32 CPU 26 CPU , 16 DRAM(113)  
 2 PCMCIA B , CPU PCMCIA B CPU  
 B PCMCIA (120b) 16 PCMCIA  
 , PCMCIA B (120b) 16 DRAM  
 CPU (113) , DRAM(113) 32 CPU DRAM  
 U , 16 CPU 32 CPU CPU CP  
 PCMCIA A , 2 PCMCIA A 26 , CPU  
 SRAM 8 CPU PCMCIA (120a) SRAM(114)  
 (profile) , SRAM(114)  
 , ROM(112) , DRAM(113) CPU(3-1)가  
 CPU , SRAM(114)  
 , (115) CPU(3-1) (116)  
 , CPU(111)  
 5 PCMCIA A (120a) PCMCIA B (120b)( PCMCIA A/B  
 , (121) (110) 26 CPU  
 , 가 (121) 26 CPU 26 PCMCIA A/B  
 (122) (110) 16 CPU 2 PCMCIA A/B  
 , 2 PCMCIA A/B 가 16  
 CPU 16 16 CPU PCMCIA , 16 PCMCIA A  
 /B 16 CPU (110)  
 , PCMCIA (123) A/B 가 CPU PCMCIA A/B  
 , CPU PCMCIA A/B  
 , PCMCIA A/B (124) PCMCIA A/B PCMCIA A/B (110) 2  
 CPU

(110)  
 6 , ADSL ADSL (130)  
 , ADSL PCMCIA A (120a) 26 PCMCIA A , 16  
 PCMCIA A PCMCIA A SAR , ATM TC , DMT  
 14 DAC ADSL AFE(Analog Front End) (132)  
 , ADSL AFE 16 (132) 14 ADC DMT , ATM TC , SAR  
 16 PCMCIA A PCMCIA A PCMCIA A (1  
 20a) , ADSL AFE (132) ADSL (131) 14 DAC  
 , 2 ADSL 2 ADSL (131)  
 14 ADC ADSL (131)  
 7 HomePNA (140)  
 MAC (141) PCMCIA B (120b) 26 PCMCIA B , 16 P  
 CMCIA B PCMCIA B IEEE 802.3 CSMA/CD MAC MII MII  
 (Media Independent Interface : ) MII 4 MII  
 HomePNA (142) , HomePNA (142)  
 (symbol) MII MII 4 MII  
 IEEE 802.3 CSMA/CD MAC 16 PCMCIA B PCMCIA B  
 PCMCIA B (120b) PCMCIA B (120b) MII  
 PCMCIA B PCMCIA B (120b) PCMCIA B P  
 CMCIA B (120b) , (carrier) MII  
 가 PCMCIA B PCMCIA B (120b) ,  
 NA MII HomePNA (142) , HomeP  
 HomePNA (142) (mode) MII MII  
 HomePNA (142) MAC (141) 4 MII QAM/FDQ  
 AM 5 DAC (141) HomePNA AFE (43) , Ho  
 mePNA AFE (143) 5 ADC QAM/FDQAM 4  
 MII MAC (141) (142) 5 DAC  
 , HomePNA AFE (143) HomePNA HomePNA  
 , 2 HomePN  
 A (142) 5 ADC HomePNA

, 10Mbps HomePNA  
 , 8Mbps ADSL

, 가 가 , 가

(57)

1.

(130); ADSL ADSL  
 HomePNA Home  
 PNA (140);

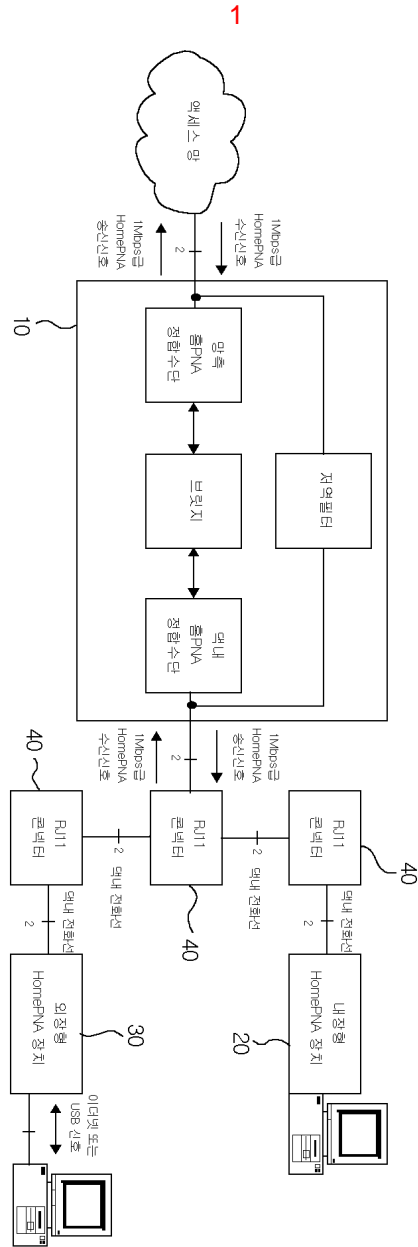
HomePNA (140) ADSL (130) (110);  
 HomePNA (140) , PCMCIA  
 PCMCIA A (120a);  
 ADSL (130) (110) PCMCIA PCMCIA  
 A B (120b)  
 ADSL (130) PCMCIA A (120a) SAR , ATM TC ,  
 DMT 14 ADSL , ATM TC , SAR PCMCIA  
 A (120a)  
 HomePAN (140) PCMCIA B (120b) IEEE 802.3 CSMA/  
 CD MAC 4 MII 가 PCMCIA PCMCIA  
 B (120b)  
 2.

1 ,  
 HomePNA ADSL PCMCIA , ADSL  
 PCMCIA B (120b) (120a) HomePNA A B :  
 CPU 가  
 26 CPU 26 PCMCIA ;  
 16 CPU 2 PCMCIA ,  
 PCMCIA 가 , 16 CPU 16 P  
 CMCIA , 16 PCMCIA CPU  
 PCMCIA 가 CPU PCMCIA , PCMCIA ;  
 PCMCIA 가 CPU PCMCIA 2 PCMCIA 가

3.  
 2 ,  
 ADSL , HomePNA PCMCIA , ADSL HomePNA  
 CPU; CPU;  
 CPU가 ROM;  
 CPU DRAM;  
 CPU SRAM;  
 CPU

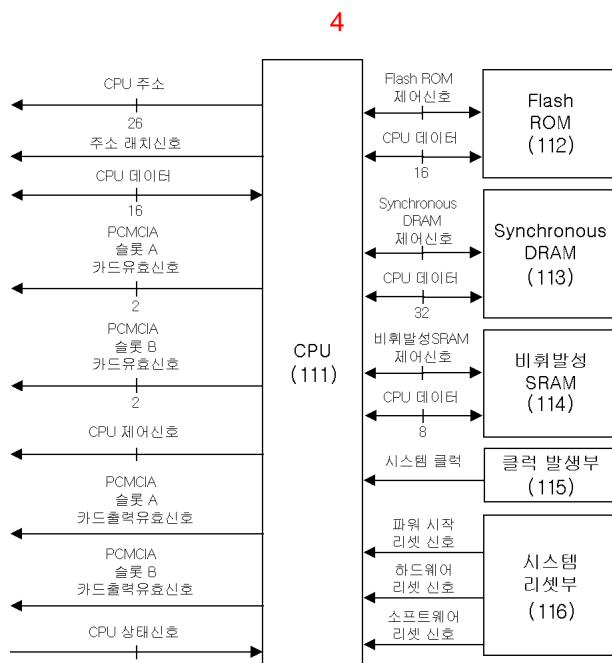
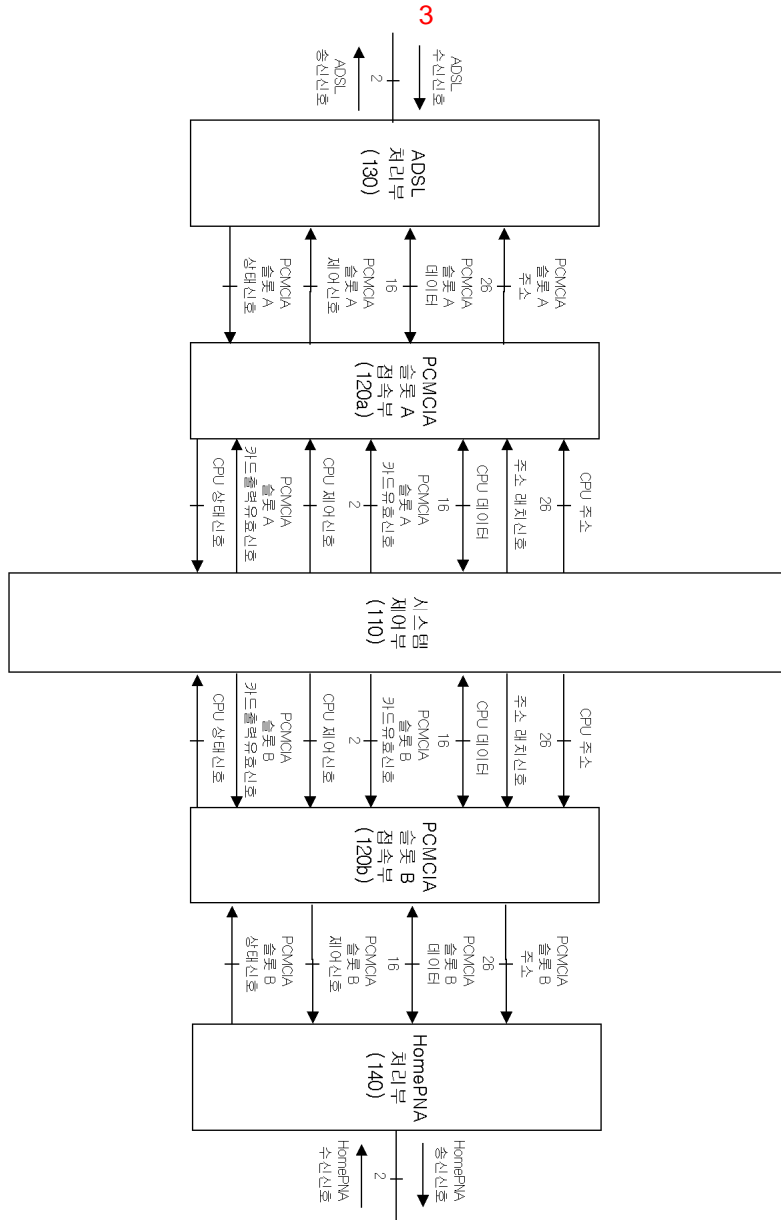
4.  
 3 CPU : ROM 16 CPU ROM ,  
 PCMCIA A ; CPU 16 CPU  
 DRAM 32 CPU CPU  
 DRAM 32 CPU CPU  
 CPU , 2 PCMCIA B 26 CPU CPU(3-3)  
 IA B , 16 PCMCIA B CPU PCMCIA  
 PCMCIA B CPU 16 CPU DRAM  
 , DRAM 32 CPU CPU CPU  
 , 16 CPU , 2 PCMCIA A 26 CPU PCMCIA  
 A SRAM PCMCIA A CPU SRAM  
 8 CPU SRAM(3-4)

- 5.
- 6.

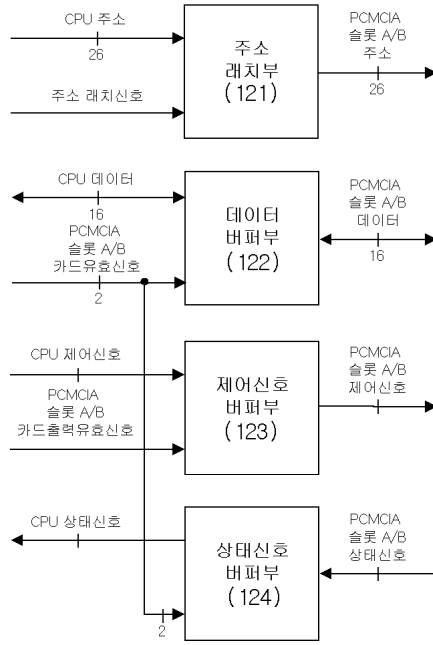




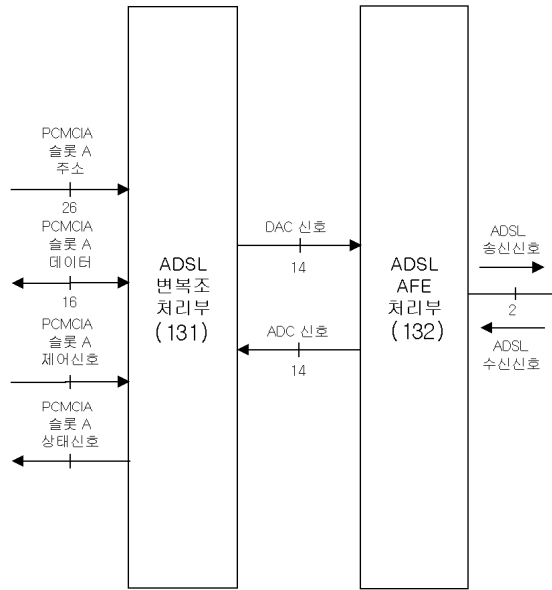




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