

(19)
(12)

(KR)
(Y1)

(51) 。 Int. Cl.7
G06K 17/00
H04B 3/54

(45)
(11)
(24)

2004 10 02
20-0363515
2004 09 20

(21) 20-2004-0020345
(22) 2004 07 16

(73) ()
898-19 2

(72) 1 1435-25 5-302

(74)
:

(54)

가 가

LCD(Liquid Crystal Display)

, RS-232C, RS-485

PLC

PLC

가

가

1
2
3
4
5
6

2

가 가

0% 가 9.6Kbps , 60% 가 1 PSDN(Hinet-P, CO-LAN, DNS) 4

) 1 (30) , 1 (10) PSTN (20)

pe) (14), LCD(Liquid Crystal Display) (11), (15), (swi

00 가 (17), (11) (16), 가 (13), 1,2

(12), RS-232C, RS-485 PSTN

(18) 3,400Hz (19) (18) (19) PST

N (20) (30) , (11) PSTN (30) (14) (30) (

15) (19), (18), (11)

0 7~8 , 가 (30) 가 14~2

, 가 , ,

6, 1, 5 가 가 , ,

2 3 2 (200) (204),

4*5 (202), LCD (205)가 ,

(204), (206), 가 (210)가 (207,208),

(209) , (210)가

(206) AC 110~220V 15W DC 3.3V, 5V, 24V

(210) RJ-11

(216), (217), 4, (200) , (214), (215),

(220) (222), 1 (212a), 2 (212b), (213), LAN (230),

(211), (218), (219)

CPU (211) , (216) (220) 32 (219)

(215) 1 (212a) , (213) (230) (214),

가

(220) (222) (211)

(Tx Data), (Rx Data) , (Clock)

가 (220)

(219) PCB(Printed Circuit Board)

(222) (60) PLC

(2221c) 5 (2221) , (2222a), (2222b) , (Channel coding, 2221b) , (2222c)

(2222)

(2221a) 가

(50~60Hz, 100~120Hz)

(2221b) (encode) (decode)

, Carrier Chirp, ARQ, CRC, FEC, Zero cross bi-phase

(2221c) (ASK, CSK, Chirped-SS, DMT)

(2222a) work MAC CSMA (Carrier Sense Multiple Access), Net
 collision collision
 CSMA/CD(Collision Detection), 가 CSMA/CA (Carrier S
 ense Multiple Access / Collision Avoidance), 가 carrier
 ce) TokenPassing CSMA/CDCA (Collision Detection Collision Avoidan

(2222b)

(222c)

가 (TCP/IP)
 1~2

() (www.exscoms.com), () (www.planetsys.co.kr), ()
 (www.planet-int.co.kr)

1 (212a) 16MB 4MB

2) 가 (212b) , 128KB (, , ,)

N (212a) (230) 10/100Base-T 가 , IEEE802.3 LAN LA
 가 가 , (311) (306) 1
 가 , FTP, TFTP, TELNET

(213) 2 , RS-232C Mini DIN(PS2) female
 RS-232 가

(213)

D (214) , 128*64 (dot) LC

(215)

가 가 , 3 2 가 가
 (Dot Matrix) 가

(216) MCR(Magnetic Card Reader) , (swipe)

(217) 5*5

가 , 가

(218), (219) 1

[1]

[1]

	Standard Support	ZBus ISO ()
	Support Bit Rate()	60bps ~ 24Mbps
	Range()	500m
	Frequency Range	10Khz ~ 30Mhz
		AC
	MAC	10/100Base - T Ethernet
		IP/ICMP/ARP/RARP
		TCP/UDP
		FTP/TFTP/DHCP/PPPOE/HTTP
		RSA - Seed / OpenSSL
(POWER)		SMPS 3.3V/5V/24V
		AC 100V ~ 260V
		MAX 15W
		0 ~ +70
		10% ~ 90%

6 , , 가 (ON) 110~220V 가 , 가 가 (ON) 10~20 가 (OFF) 가 10~20 가 (OFF) (ON) 가 (222) (50) (50) PLC (VAN HOST) (50) (40) , PLC (30) , PLC (40) (222) PLC (40) 가 가 가 가

가 .

1~2

가

,가 ,

가

가 .

가

가

가

가

가 .

(57)

1.

Liquid Crystal Display)

LCD(

, RS-232C, RS-485

PLC

가

가

PLC

2.

1

3.

2

4.

2

5.

4

PLC

가

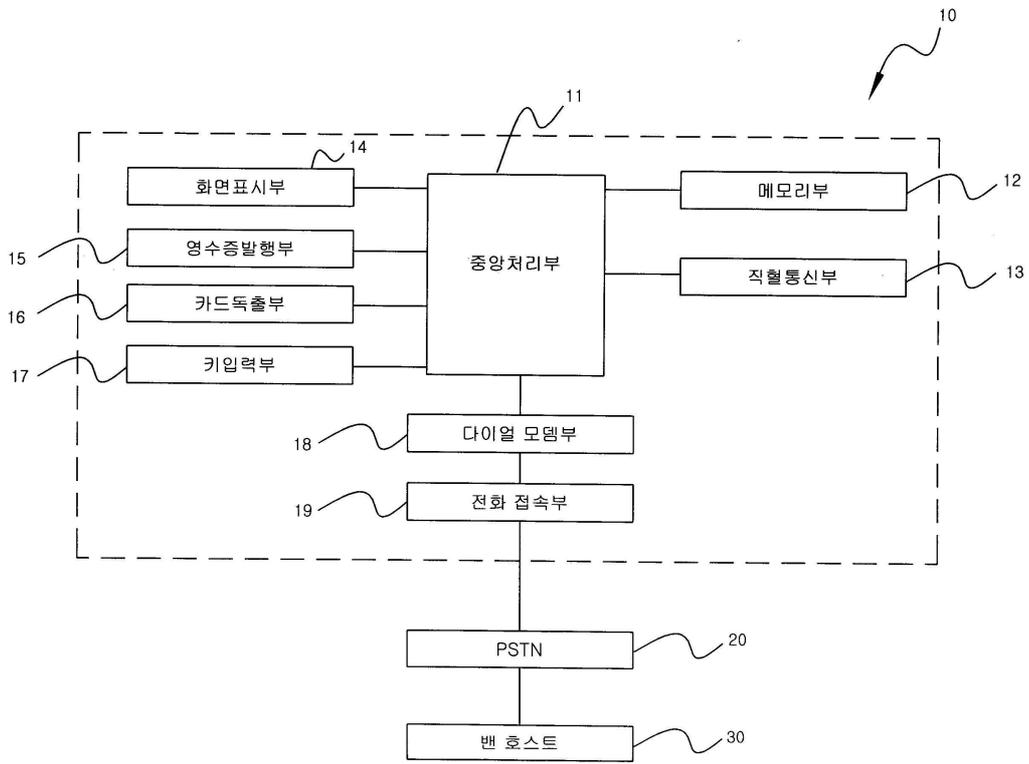
6.

1

5

가 가 ,

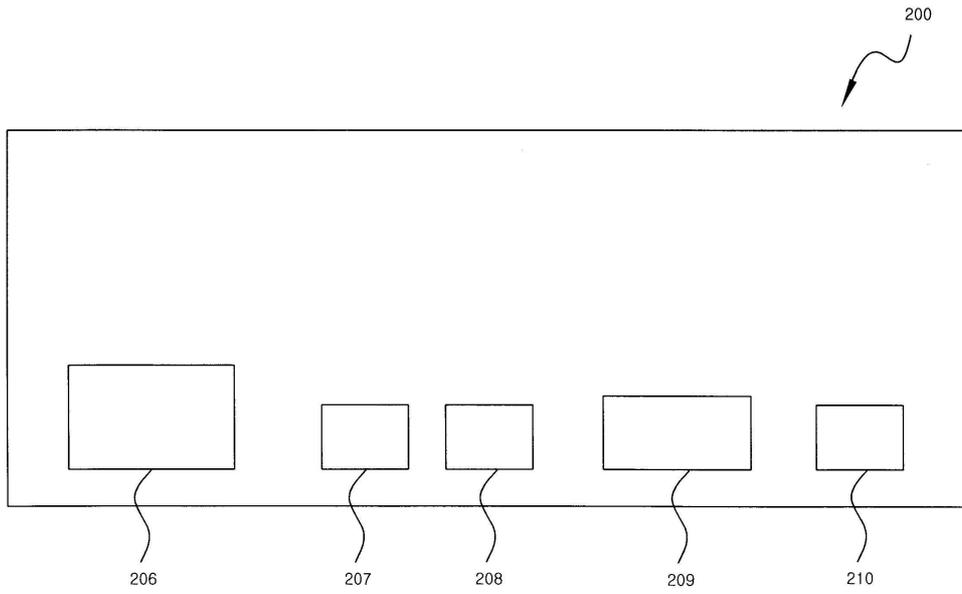
1



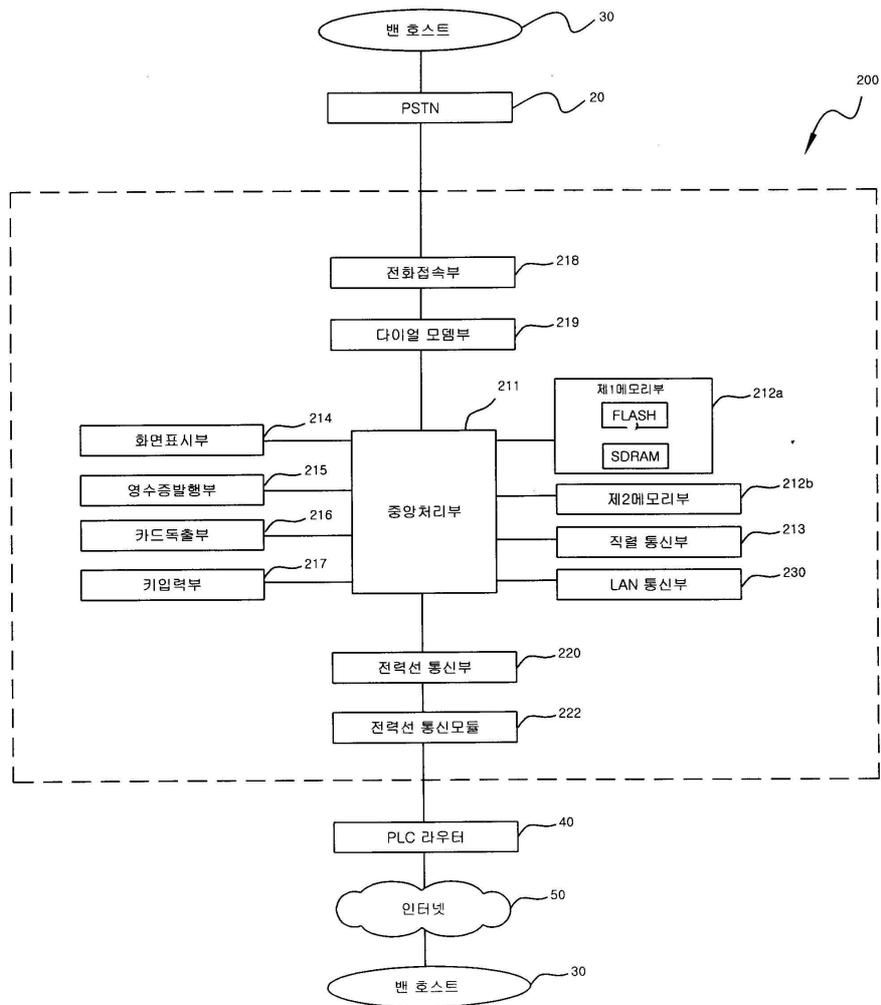
2



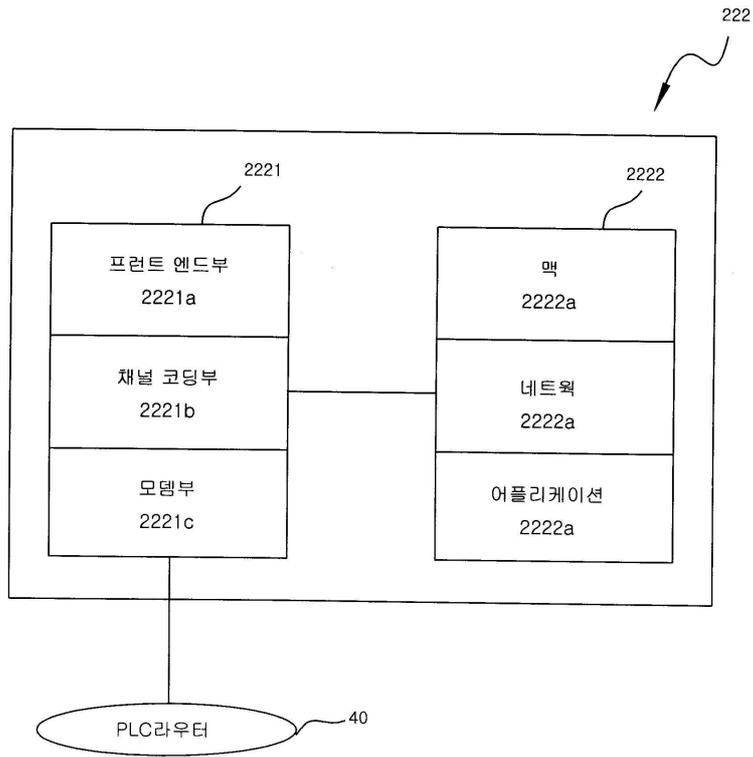
3



4



5



6

