

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. <sup>7</sup>  
H04L 12/28

(11)  
(43)

2001 - 0082875  
2001 08 31

(21) 10 - 2000 - 0008396  
(22) 2000 02 22

(71) 2

(72) 2

:

(54)

arrow band Home control network (packet) , n

가 가 , 가 , 가 , 가

, Home control network, PCPM

narrow band (data packet) Home control network

Base Station (Mega bps ) Home networking (Kilo bps )

Home networking Home data networking Home control networking , Home da ta networking

- PC (consumer electronics)

- PC

-

-

Home control networking ;

- .

- .

/

Home Control Network ;

X - 10

CEBus

LonWorks

- 1 -



- bit

bit 7 6 5 4 3 2 1 0

0	1	0	1	0	1	0	0
---	---	---	---	---	---	---	---

HCB - Packet byte

bit 7 bit 6 =

bit 7 6

0	0	
0	1	
1	0	ACK
1	1	NACK

bit 5 =

bit 5

0	ACK / NACK
1	ACK / NACK

bit 4 =

field

가

가

bit 4

0	
1	

bit 3 bit 0

ADRS - byte

CMD / DATA - / byte

CRC1 byte - CRC - 16 High byte

CRC - 16 byte

CRC2 byte - CRC - 16 low byte

CRC - 16 byte

1. 가 48 (X - 10 : 47 , CEBus : 25 10ms
2. 가 , 256 16 가 , 16 x 256 = 4
3. 가 , MCU 가 .
4. master/slave peer - to - peer 가 .
5. , , , .

(57)

1.

, , , twisted pair ,

2 , — , , ACK , NACK — ,

1 , , ,

1 , field 가 가 ,

4 , ,

(datalink)