BLOCK DIAGRAM

BLOCK DIAGRAM

INPUT
AC 88~264V

Switch

EMI
EMI Filter

PFC MODULE
DC/DC CONVERTOR

DC/DC MODULE
DC/DC CONVERTOR

+27V

+12V

+9V

ALARM

DC/DC

DC/DC

ALARM

BATT

BATT

BATTERY

Digital Process부

주파수변환부

RF_Recieve

LPF VGA MIX1 LT5527 BPF1 ADL5541 AMP1 ATT CL2702 LNA DUP

AD9446
ADC

EP2S130
F1020
FPGA

AD9779A
DAC

BPF2 ADL5541 CVCO 55BE ADF4154
AMP2 VCO PLL

RF_Transmission

ADL5373
MIX2

BPF3 ADL5541 ATT1 CPL DUP
AMP3

AirPoint

< Digital Board Block>

SDRAM & DSP Interface : synchronous Mode
FPGA & DSP Interface : Asynchronous Mode
FLASH & DSP Interface : Asynchronous Mode

FPGA_Block

DSP_Block

통신 및 모드 셋서 블록

Main_ADC_Block

Ad_clk

con filter ADC 16Bits_Lvds

Sub_Ad_Clk

con filter ADC 12Bits

Sub_ADC_Block

Dac_Clk

con DAC 16Bits
16Bits

DAC_Block

Ad_clk
con CLK_Driver Sub_Ad_Clk
Dac_Clk
Clock_Block Ref_Clk

FPGA

Ref_Clk RF_Interface con

DSP

SDRAM

FLASH

MCBSP_0
MCBSP_1

12C

RS232

통신 및 모드

Tx_a
Rx_a
Tx_b
Rx_b

AirPoint

MODEL. NAME		RCU		DOC.NAME		시스템 구성도		SHEET	1

MODEL. NAME	SYSTEM 구성도	DOC.NAME	Part list	SHEET	1
				DATE	2008.10.09
				CHANGED	

<SNMP BOARD 구성>