iAMP

RECEIVER MULTICOUPLER



Deploy the power of Smart Radio Antenna Multicoupler to improve your communication systems

FEATURES

- 8x Receiver Port
- Automatic LNA selector
- High RF Gain
- Easy LNA Replacement
- Double Bandpass filter
- RF Gain Monitor
- RF Level Data logger
- LNA Automatic Bypass
- Hi Resolution ADC
- Logarithmic RF Level Detector
- Gigabit Ethernet Connection
- Embedded web server remote control
- SNMP v3 support
- Xilinx Zynq Hardware base
- Linux Operating System

APPLICATIONS

Air Traffic Control Radio Communication
Conventional Radio Communication
Radio Monitoring Receiver
Radio Spectrum Analyzer

SPECIFICATION

Specification	VHF	UHF
Frequency Range	110 - 140 MHz	210 - 400 MHz
3dB Bandwidth	30 MHz	190 MHz
Input Connector	1 x N type Female	1 x N type Female
Output Connector	8 x N type Female	8 x N type Female
Input/Output Impedance	50 Ohm	50 Ohm
Input Return loss	-18dB	-20dB
Output Return loss	-22dB	-22dB
1dB Compression	4 dBm	5 dBm
Gain per Port	6 dB	6 dB
Intermodulation IP3	35 dBm	35 dBm
Output Isolation	23 dB	21 dB
Noise Figure	2 dB	2 dB
Number of LNA	2x Automatic Selection	2x Automatic Selection
Display	LCD	LCD
Communication	1x Gigabit Ethernet	1x Gigabit Ethernet
Operating System	Linux 64bit	Linux 64bit
Hardware Platform	Xilinx Zynq SoC+FPGA	Xilinx Zynq SoC+FPGA
Remote Control	Web/SNMP	Web/SNMP
AC Power Source	90 - 220 VAC	90 - 220 VAC
DC Power Source	15 - 35 VDC	15 - 35 VDC
DC Connector	XLR Female	XLR Female
Operating Temperature	-20 to 55 Celsius	-20 to 55 Celsius
Dimensions	1U Rack	1U Rack

FOR MORE INFORMATION
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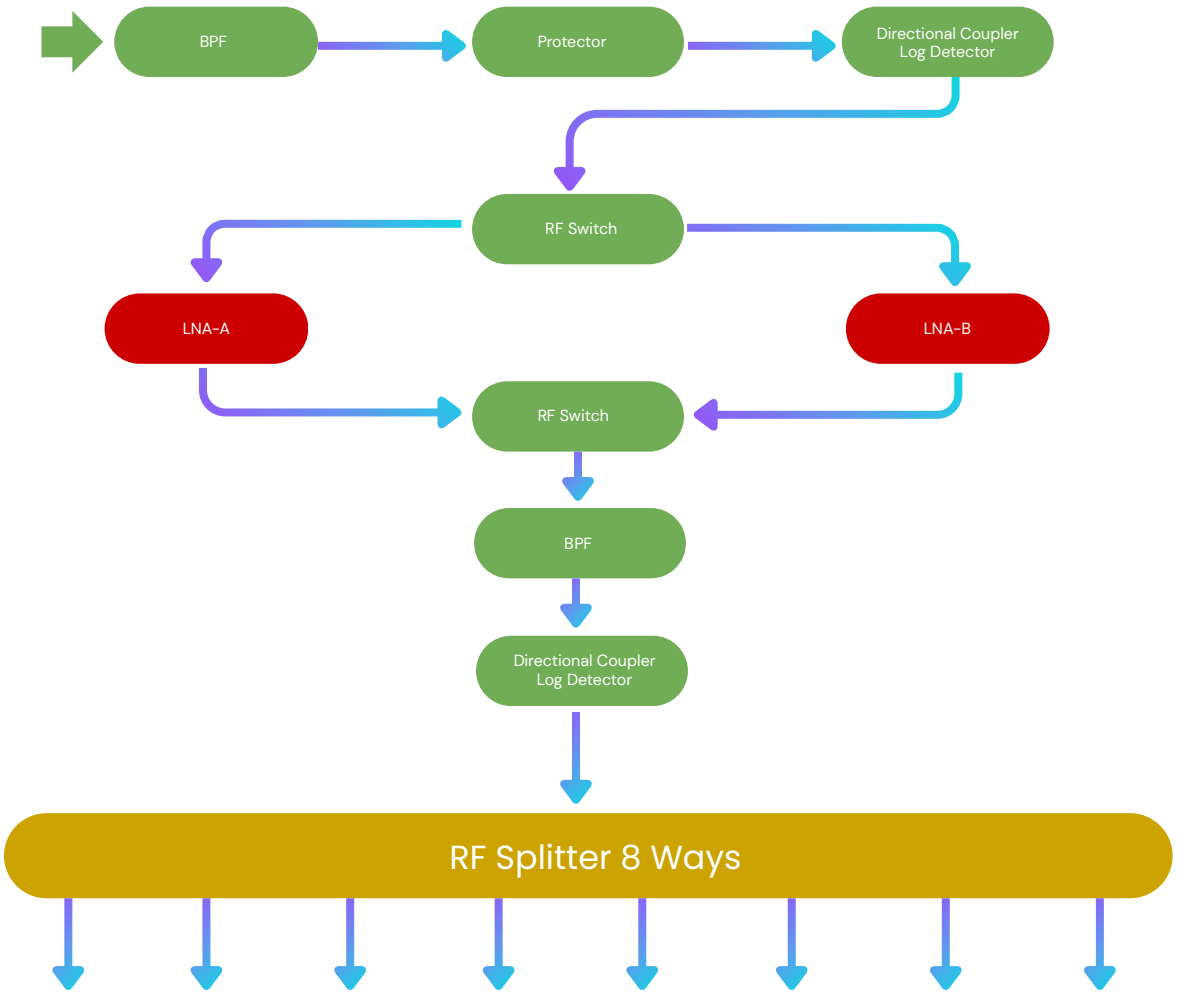
BLOCK DIAGRAM OF iAMP MULTICOUPLER



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