RF System

EASY TO USED FOR 19' RACK MOUNT OR EMBEDDED SOLUTION

MADE IN FRANCE

The RF Systems product line, which uses NI-USRP and NI FlexRIO products, offers exceptional processing power in a compact 3U form factor. The available FPGA, coupled with an optimized computing architecture, maximizes system capabilities. When using FlexRIOs, an RF front-end (filtering, LNA, attenuator) transforms the system into a high-performance receiver.

APPLICATIONS

> SIGINT, COMINT
> Spectral Monitoring
> R&D
> Modular and scalable instruments

SPECIFICATIONS

	3U-80	3U-160	3U-400	3U-640	3U-HF
RF SPECIFICATION					
CHANNEL TYPE	4 Rx	2 Rx - 2 Tx	4 Rx - 4 Tx	Up to 2 Rx - 2 Tx	4 Rx
FREQUENCY BAND (SMA 50 Ohms)	10 MHz to 6 GHz	10 MHz to 6 GHz	1 MHz to 7.2 GHz	2 MHz to 3 GHz	1 MHz to 200 MHz
INSTANTANEOUS BANDWIDTH	80 or 40 MHz	160 or 80 MHz	400 or 320 MHz	640 or 320 MHz	50 MHz
Rx SENSIBILITY	-140 to -10 dBm	-114 to -15 dBm	-130 to +14 dBm	-80 to 0 dBm	-100 to 0 dBm
Tx MAXIMUM OUTPUT POWER		17 to 20 dBm	20 dBm	12 to 15 dBm	
CONNECTOR TYPE	SMA				
RF CONDITIONING	HF, VUHF, SHF option on request				
GPS	Synchro PPS, GPS antenna connector if available				
INTERNAL CLOCK	Low Noise 10 MHz option on request				
SOFTWARE	ARCALE RF SUITE : SPECTRUM, PLAYER, RECORDER, ANALYSER, CPU DDC, SERVER, SEEKER, RADAR				
HARDWARE					
HARD DRIVE CAPACITY	UP TO SSD 8TO*2				
CONNECTIVITY	ETHERNET UP TO 2.5 GB/s				
POWER	110 TO 240 VAC 50/60 HZ (OPTIONAL 12 OR 24 VDC) 100W NOMINAL 130W MAX				
SIZE	43 (OUTSIDE FIXING EAR) * 31 * 4.5 cm				
WEIGHT	5,3 KG				

SPHEREA
POWER & INSTRUMENTATION