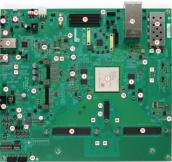
NA22 HW RFSOC-Based Platform Considerations

- 1. AMD/Xilinx RFSOC Evaluation Kits.
- 2. PCIe Boards
- 3. Quotes

Xilinx ZCU208 & ZCU216 Evaluation Kits.

ZCU216



RF Data Converter	
# of 14-bit ADCs	16
Max Rate (GSPS)	2.5
# of 14-bit DACs	16
Max Rate (GSPS)	9.85
Memory	
PS DDR4	4GB 64-bit SODIMM
PL DDR4	8GB 64-bit Component
Micro SD Card	16GB
M.2 SATA Connector	Yes
QSPI	2

ZCU208	
	6
	0 0
BE Data Converter	0



Zynq™ UltraScale+™ RFSoC Gen		ZCU208 Eval Kit	ZCU216 Eval Kit	
		ZU48DR	ZU49DR	
Max. RF input Frequency (GHz)				
Decimation / Inter	polation			
14-bit RF-ADC	# of ADCs	8	16	
	Max Rate (GSPS)	5.0	2.5	
14-bit RF-DAC	# of DACs	8	16	
	Max Rate (GSPS)	9.85*	9.85*	
SD-FEC		8	0	

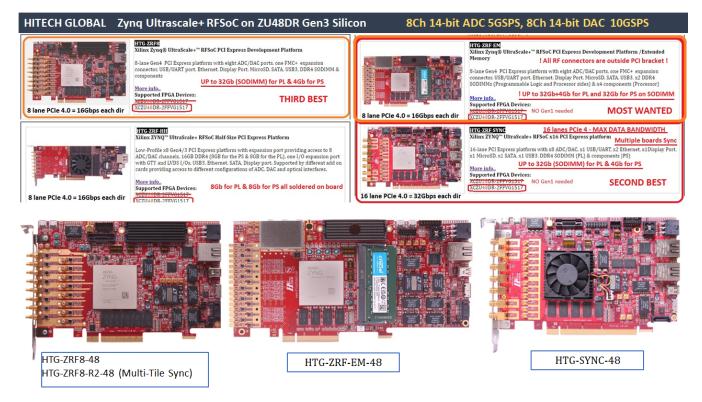
ZCU208 Eval Kit

ZCU216 Eval Kit

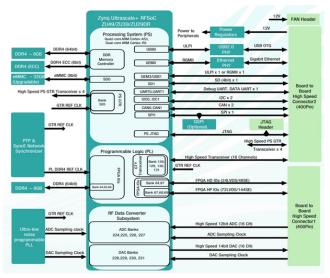
Zynq[™] UltraScale+[™] RFSoC Gen 3 Direct-RF Signal Chain Features

		ZU42DR		ZU43DR	ZU46DR		ZU47DR	ZU48DR	ZU49DR
Max. RF input Frequency (GHz)							6		
Decimation / Inter	polation				1x, 2x, 3x, 4x, 5x, 6x, 8x, 10x, 12x, 6x, 20x, 24x, 4			6x, 20x, 24x, 40x	
14-bit RF-ADC	# of ADCs	8	2	4	8	4	8	8	16
	Max Rate (GSPS)	2.5	5.0	5.0	2.5	5.0	5.0	5.0	2.5
14-bit RF-DAC	# of DACs	8		4	12		8	8	16
	Max Rate (GSPS)	9.85*		9.85*	9.85*		9.85*	9.85*	9.85*
SD-FEC		(0		8		0	8	0

PCle Cards

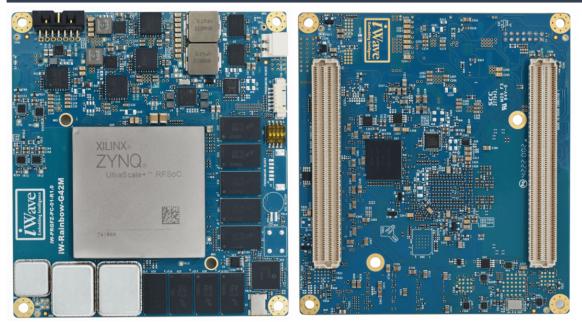


iWave iW-RainboW-G42M SOM+ Carrier ZU49DR 16Ch 14-bit ADC 2.5GSPS, 16Ch 14-bit DAC 10GSPS 8Gb soldered for PL + 16Gb soldered for PS DDR4



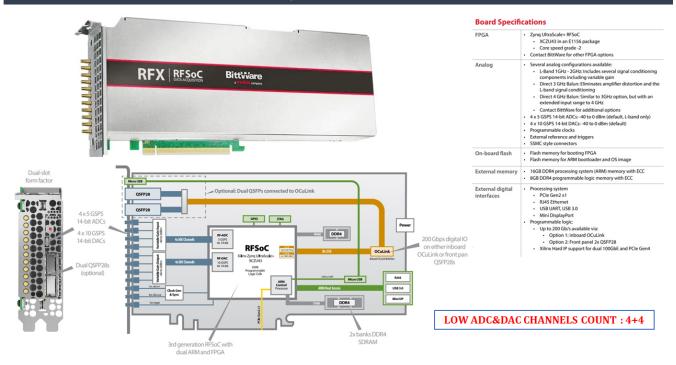


iWave iW-RainboW-G42M SOM+ Carrier ZU49DR 16Ch 14-bit ADC 2.5GSPS, 16Ch 14-bit DAC 10GSPS 8Gb soldered for PL + 16Gb soldered for PS DDR4

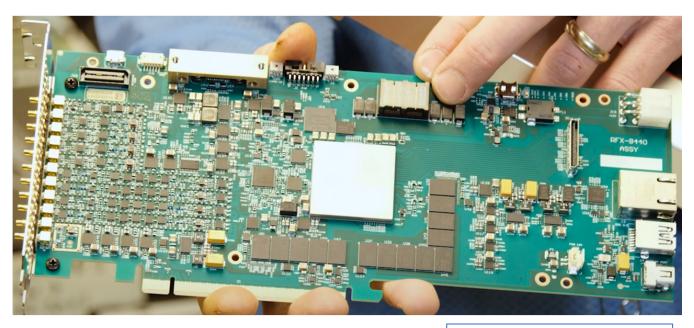


iWave – Indian Company !!!

BITTWARE RFX-8440 ZU43DR 4Ch 14-bit ADC 5GSPS, 4Ch 14-bit DAC 10GSPS 8Gb soldered for PL + 16Gb soldered for PS



BITTWARE RFX-8440 ZU43DR 4Ch 14-bit ADC 5GSPS, 4Ch 14-bit DAC 10GSPS 8Gb soldered for PL + 16Gb soldered for PS



LOW ADC&DAC CHANNELS COUNT: 4+4

!! Add Quotes & Lead time
!! Add Interleaving Sampling

!!

aa