

ARCALE RF SYSTEMS

A NEW ALL IN ONE PRODUCT DESIGNED FOR 19' RACK MOUNT
AND EMBEDDED SOLUTIONS.

ARCALE RF Systems is available with :

- Windows 10 core i7 computer with Arcale RF Suite,
- Up to four RF Receivers depending of version
- Up to two RF Transmitters depending of version
- Optional RF conditioning (Filter, Attenuator, Low noise Amplifier)

Specifications :

	3U-80	3U-160	3U-400
RF Specification :			
Channel type	4 Rx	2 Rx – 2 Tx	4 Rx – 4Tx
Frequency band (SMA 50 Ohms)	10 MHz to 6 GHz	10 MHz to 6 GHz	1 MHz to 7.2 GHz
Instantaneous bandwidth	80 MHz (2 channels max streaming)	160 MHz (1 channel max streaming)	400 MHz (2 channels max streaming)
Rx Sensibility	-140 to +10 dBm	-114 to -15 dBm	-130 to +14 dBm
Tx Maximum Output Power	-	17 to 20 dBm	20 dBm
Connector type	SMA		
RF conditioning	HF, VUHF, SHF		
GPS	Synchro PPS, GPS antenna connector if available		
Software :			
	Arcale RF Suite Module		
	<ul style="list-style-type: none">• Spectrum• Player• Recorder• Analyser• CPU DDC• Server• Seeker• Radar		
Hardware :			
Hard drive capacity	Up to SSD 8TO*2 – External capacity on demand		
Connectivity	Ethernet up to 2 * 2.5 GB/s		
Power	110 to 240 VAC 50/60Hz (optional 12 or 24V DC) 250W nominal, 300W max		
Size	43 (outside fixing ear) * 28.5 * 13 cm		
Weight	8 Kg		

For more informations, please contact rfsystems@arcale.net

Typical application :

- SIGINT, COMINT
- Spectral monitoring
- R&D
- Modular and scalable Instruments

