

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 four RF Transmitters depending of version
- Optional RF conditioning (Filter, Attenuator, Low noise Amplifier)

Specifications :

	3U-80	3U-160	3U-400	3U-640
RF Specification :				
Channel type	4 Rx	2 Rx – 2 Tx	4 Rx – 4Tx	Up to 2 Rx – 2 Tx
Frequency band (SMA 50 Ohms)	10 MHz to 6 GHz	10 MHz to 6 GHz	1 MHz to 7.2 GHz	2MHz to 3GHz
Instantaneous bandwidth	80 MHz (2 channels) 40 MHz (4 channels)	160 MHz (1 channel) 80 MHz (2 channels)	400 MHz (3 channels) 320 MHz (4 channels)	640 MHz (1 channel) 320 MHz (2 channels)
Rx Sensibility	-140 to +10 dBm	-114 to -15 dBm	-130 to +14 dBm	-80 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 10MHz option on request			
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) * 13 * 38.5 cm	43 (outside fixing ear) * 13 * 38.5 cm	43 (outside fixing ear) * 13 * 46 cm (TBC)	43 (outside fixing ear) * 13 * 38.5 cm
Weight	8 Kg	8 Kg	10 Kg (TBC)	8 Kg

For more informations, please contact rfsystems@arcale.net

Typical application :

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

