

ARCALE RF SYSTEMS

A NEW PRODUCT ALL IN ONE, EASY TO USED
FOR 19' RACK MOUNT OR 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	3U-HF
RF Specification :					
Channel type	4 Rx	2 Rx – 2 Tx	4 Rx – 4Tx	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	2MHz to 3GHz	1MHz to 200MHz
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)	50MHz (4 channels)
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 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 8T0*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	43 (outside fixing ear) * 13 * 38.5 cm
Weight	8 Kg	8 Kg	10 Kg (TBC)	8 Kg	8 Kg

For more informations, please contact rfsystems@arcale.net

TYPICAL APPLICATION :

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



SPHEREA
POWER & INSTRUMENTATION