

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 |
|------------------------------|--|--|--|---|
| 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 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 | | | |

TYPICAL APPLICATION :

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

