

ADRF Public Safety Solutions

Mission Critical Communication Depends on ADRF

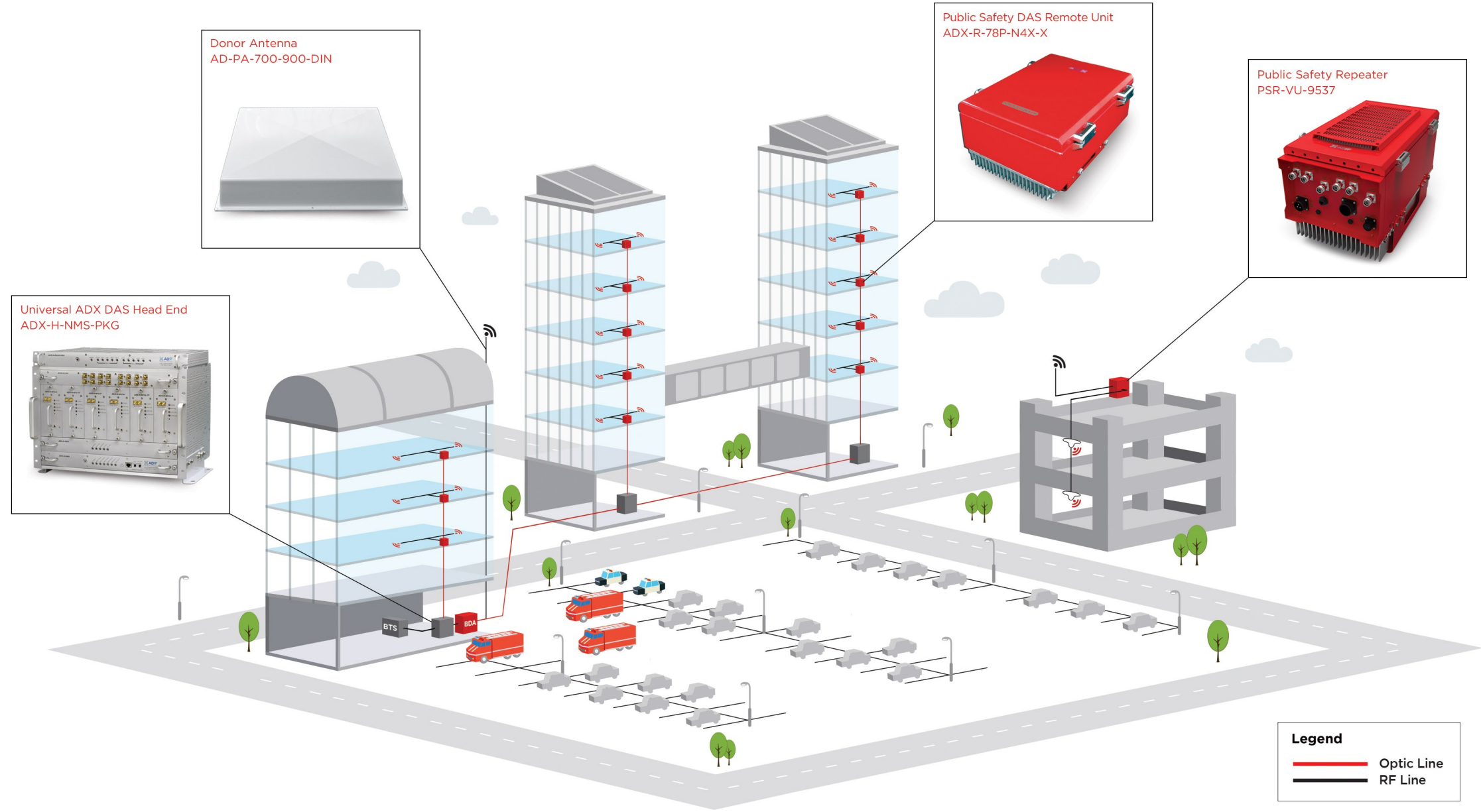


THE SIGNAL FOR SUCCESS™

Public Safety Coverage

In the case of an emergency, it is crucial that all buildings support wireless communications for first responders, such as the police and the fire department. In fact, the International Fire Code (IFC) now requires full indoor coverage for public safety in all buildings, new or existing. In addition, each municipality requires a unique configuration for public safety radio.

Advanced RF Technologies, Inc. (ADRF) is at the forefront of providing code-compliant public safety wireless solutions that meet the rigorous municipal requirements for building occupancy. ADRF's products have been used for more than a decade improving critical communications in systems for first responders, government, transit, commercial enterprises, education, security personnel as well as the military. ADRF's innovative Public Safety DAS and Repeaters are proven solutions to make buildings safer and to deliver truly mission-critical wireless services.



ADRF Public Safety Solutions help IT staff provide reliable cellular and first responder coverage throughout buildings so the public can be alerted during a crisis.

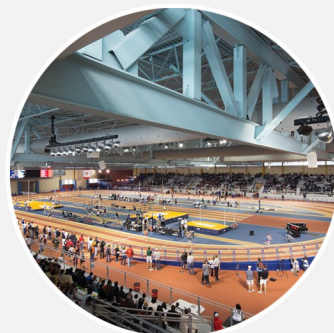
ADRF Public Safety Solutions

- Supports VHF, UHF, 700 MHz, 800 MHz, and 900 MHz frequency bands
- Meets IFC and NFPA codes
- Offers custom filtering for unique frequency requirements
- Can be implemented indoor or outdoor
- Comes pre-configured for easy installation

Select ADRF Public Safety Deployments



Consolidated Forensic Laboratory
Washington, D.C.



CrossPlex Arena
Birmingham, AL



H.D. Woodson Senior High School
Washington, D.C.



Mountain Brook Municipal Complex
Mountain Brook, AL



Securities & Exchange Commission
Washington, D.C.

ADRF Public Safety Solutions benefit:



Police



Fire



IT



Employees



Families

| ADRF Public Safety Repeaters | | | ADRF Public Safety DAS | |
|--|--|--|--|------------------------------------|
| | PSR78-9030 | PSR-VU-9537 | ADX-R-78P-N4X-X | ADX-R-VU25-N4X-X |
| Description | 700/800 MHz Public Safety Digital Repeater | VHF/UHF Channelized Digital Repeater | 700/800 MHz NEMA4X PS DAS Remote Unit | VHF/UHF NEMA4X PS DAS Remote Unit |
| RELIABILITY | | | | |
| TL 9000 and ISO 9001 certified | ✓ | ✓ | ✓ | ✓ |
| Battery backup | ✓ | ✓ | | |
| NEMA 4X enclosure | ✓ | ✓ | ✓ | ✓ |
| Dry alarm contacts | ✓ | ✓ | | |
| Standard 2 years warranty | ✓ | ✓ | ✓ | ✓ |
| COST EFFICIENCY | | | | |
| Modular platform to enable overlay | | | ✓ | ✓ |
| Support commercial carrier on same system | | | ✓ | ✓ |
| Support additional bands without rip & replace | | | ✓ | ✓ |
| EASE OF USE | | | | |
| Simple intuitive GUI | ✓ | ✓ | ✓ | ✓ |
| Web-based remote monitoring | ✓ | ✓ | ✓ | ✓ |
| Patented auto commissioning routine | | | ✓ | ✓ |
| PERFORMANCE | | | | |
| Frequency | DL: 763-775 / 851-869 UL: 793-805 / 806-824 | VHF: 136-174MHz UHF: 380-512MHz | DL: 763-775 / 851-869 UL: 793-805 / 806-824 | VHF: 136-174MHz UHF: 380-512MHz |
| Downlink composite output power | 30dBm | VHF: 31dBm w/out duplexer UHF: 37dBm w/ duplexer | 30dBm | 25dBm w/out duplexer |
| System gain | 90dB | VHF: 85dB UHF: 85dB(APCO25) / 95dB(LMR450) | 30dB | 25dB |
| Filter roll off | 65 dBc @ 0.5 MHz Outside Passband | Wide: 65dBc@ 0.5 MHz Outside Passband Narrow: 60dBc@ (Filter BW/2) KHz Outside Passband | | |
| Connector type | N-Type Female (2 donor, 2 server) | 4.3-10 Female (Donor: duplex + simplex Server: duplex + simplex) | N-Type Female | N-Type Female |

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