

BE PART

OF THE FUTURE

COVERAGE EXTENSION AND SITE INFRASTRUCTURE PRODUCTS



sales@fiplex.com
www.fiplex.com   



SIGNAL BOOSTERS

Fiplex indoor coverage extension solutions are designed to satisfy the rigorous demand for providing Public Safety and LMR communications in places where the base station can't reach.

Using a state-of-the-art technology, Fiplex R&D team offers a vast Signal Booster product portfolio that can satisfy any project requirement, improve coverage and optimize the spectrum use. From low to large scale projects, in highly congested communications' areas and in tough urban or rural conditions, your best partner for Signal Boosters is Fiplex Communications.

Fiplex Signal Boosters are designed to comply with the most rigorous AHJ's requirements and obtain top performance under critical situations, making all places safer.

TECHNOLOGIES

- Conventional
- DMR
- P25 (Phase I & II)
- IDAS, Nexedge
- NXDN
- TETRA
- FirstNet
- FM

PRODUCTS

- Digital Signal Boosters
- Simplex Digital Signal Boosters
- Bandwidth Adjustable Signal Boosters
- Dual-Sub Band Digital Signal Boosters
- All bands VHF, UHF, PS700, PS800
- NMS Platform
- Passive Devices

APPLICATIONS

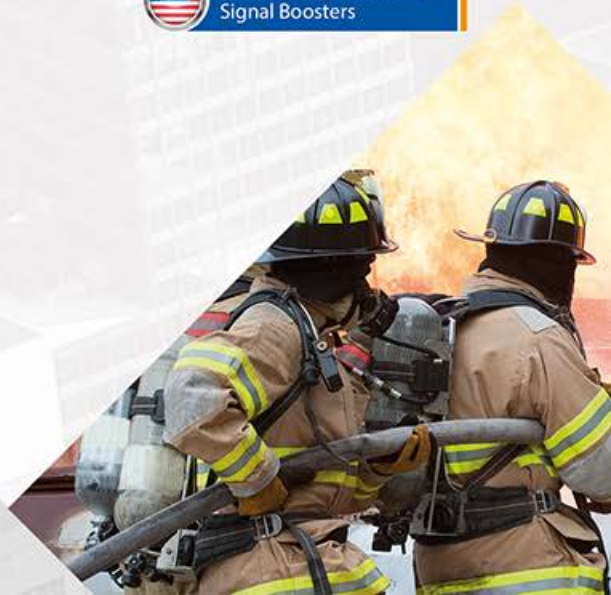
- Tunnels
- Buildings
- Subway
- Airports
- Stadiums
- Parking lots
- Malls
- Schools
- Hospitals
- Rural or Remote Areas
- Oil Rigs



Public Safety Bandwidth
Adj. Signal Boosters



Public Safety Dual Band
Signal Boosters



PUBLIC SAFETY CENTRIC DAS

Fiplex Public Safety Centric DAS is the evolution of the traditional Broad Band RF over Fiber (RfOF) DAS, improving actual limitations in system response under critical situations, which is extremely important in Public Safety / Mission Critical communication systems. Fiplex opens a new and wide range of possibilities and security features.

Strong in-house R&D has allowed the Fiplex Engineering Team to design a "best in class" Public Safety Centric DAS solution that focuses on improving performance through:

- Enhanced flexibility for design and implementation
- Sharper filtering masks
- Efficient spectrum management
- Outstanding Uplink noise management
- Virtual measuring instrument implementation
- System agility to allow design changes without the need to upgrade hardware

PUBLIC SAFETY CENTRIC DAS BENEFITS

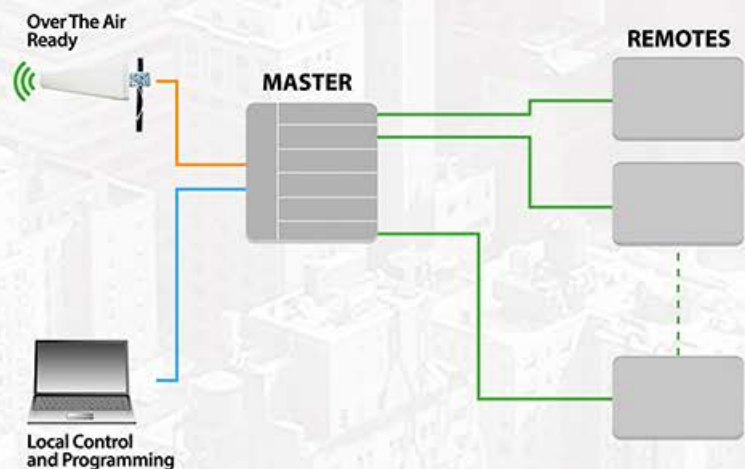
- Channelized solution
- Far End communication preservation
- Wide dynamic range
- Gain adjustment per filter
- No degradation of the BTS uplink sensitivity
- Built in spectrum analyzer
- AGC per channel and per time slot
- Squelch per channel and per time slot
- Built in redundancy
- No fiber-environment noise transported to RF
- Remote control capability
- Reduced inventory items
- NFPA compliant
- OTA Ready

PRODUCTS

- Public Safety Centric Master
- Public Safety Centric Remote

APPLICATIONS

- Stadiums
- Theaters
- University campus
- Hospitals
- Military facilities
- Buildings
- Convention Centers
- Shopping Centers
- Subways
- Airports
- Parking structure



TWO WAY RADIO & TRUNKING SITE EQUIPMENT

Fiplex has a wide range of products and solutions for the optimization of the wireless last mile of Land Mobile Radio System, Public Safety, Two way Radio and Trunking Sites.

Fiplex product portfolio offers a full line of solutions that allows the owner of the network to achieve maximum benefit from their system, while getting the best possible coverage. Our products meet the most rigorous demands technically required and provide proper optimization of limited physical space.

With the objective of assuring peak performance over time, Fiplex manufactures its equipment with high-grade materials in order to assure thermal stability, as is the case with INVAR, and quality surface treatments.

Fiplex products for Two Way Radio and Trunking Site equipment cover bands between 25 MHz to 3 GHz with the ability to handle receiving signals from low power to high power for systems operating in full duplex, half duplex and simplex.

TECHNOLOGIES

- Conventional
- DMR
- P25 (Phase I & II)
- TETRA
- IDAS
- Nexedge
- MPT1327

PRODUCTS

- Cavity Ferrite Transmitter Combiners
- Hybrid Ferrite Transmitter Combiners
- Receiver multicouplers
- Programmable Active Crystal Filters
- Control Station Combiners
- Duplexers
- Filters
- I.M. Control Panels, Isolators and circulators
- LNA's
- Power Amplifiers
- Power Splitters
- Preselectors, single and multiple band pass
- Tower Mounted Amplifiers (TMA)

APPLICATIONS

- Repeater Sites
- Simplex Combining
- LMR Systems
- Public Safety
- DOT's
- Forest Service
- Oil Platform Communications



Transmitter Combiner



Tower Mounted Amplifier (TMA)

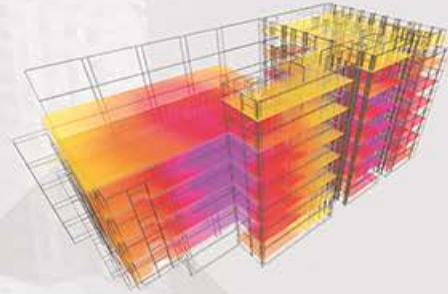


Programmable Active Crystal Filter

ENGINEERING SERVICES

Fiplex engineers and technicians have extensive product experience that allows good input in research and development, and reliable assistance to our clients with their radio communications projects.

- **Site Survey**
- **Coverage System Design**
 - Basic Antenna Position Design
 - Preliminary Design
 - Full Design
- **Full Turnkey: Installation and Commissioning**
- **Technical Training**



BROADCAST & DIGITAL TV

Fiplex has a complete line of products dedicated to providing solutions to traditional Broadcast, both FM and TV, and to the new Digital TV market, capable of managing power up to 50 Kilowatts. Fiplex Broadcast products are designed to meet the most demanding requirements of FM and TV systems: high power handling capability, low insertion loss, high isolation between channels, and low group delay distortion among others.

Frequency stability is one of the points where Fiplex products stand out, both due to the power management capabilities and to stability over long periods of time, allowing reliable operations without the need for constant checks and periodic adjustments.

TECHNOLOGIES

- FM
- Analog TV
- Digital TV (DVB-T/H, ATSC, ISDB-T/Tb)

PRODUCTS

- Mask Filters
- Constant Impedance Combiners
- Star Point Combiners
- Multi Band Pass Combiners / Multi Channel Combiners
- Band Pass Filters
- Low Pass Filters
- Notch Filters



FM Band Pass Filters



FM Combiner



Fiplex Communications, Inc. is a designer and manufacturer of highly innovative and cost-effective electromagnetic devices and subsystems for private and public telecommunications applications, recognized worldwide.

Being an engineering driven company with +30 years of experience in the market, Fiplex supplies a wide line of passive and active products for the Telecommunications Industry, which includes standard and customized solutions for:

- Two-Way Radio and Public Safety
- Coverage extension (indoor and outdoor)
- Public Safety Centric DAS
- Broadcast (TV, digital TV an FM)

Through strong Research and Development, Fiplex is always striving to evolve and improve its product lines, while quickly responding to its clients' custom requests.

Our goal is total customer satisfaction, based on a high quality product commitment.

We work towards being a leader of high tech products for private and public sectors; such as military, police and civil defense.



FIPLEX Headquarters

2101 NW 79th Avenue
Miami, FL 33122
United States
Ph: +1 305 884 8991
Fax: +1 305 884 4041

EMEA Office

Calle Medes, 4-6, Local
08023 Barcelona
Spain
Ph: +34 93 551 9746
europe.sales@fiplex.com

