AVARI®
WIRELESS

www.avariwireless.com

To speak with a PS DAS expert, email:
sales@avariwireless.com

SAFER BUILDINGS COALITION™ Member

Enabling Emergency Communications Indoors

Digital

Greater reach without signal degradation (27dBo maximum optical path loss).
Higher fidelity and lower system noise increase

Multiband Operation

Supports all common LMR and First Responder Bands: VHF, UHF, 700, 800, 900MHz with up to 3 RF Bands in one box. (5W Composite output power per band)
32 and 64 Channel operation available

Supported Bands	UL Range	DL Range
150 MHz	138-174 MHz	138-174 MHz
450 MHz	380-450 MHz / 450-512 MHz	380-450 MHz / 450-512 MHz
700 MHz	788-805 MHz	758-775 MHz
800 MHz	806-824 MHz	851-869 MHz
900 MHz	896-902 MHz	935-941 MHz

Integrated Headend Platform

Single multiband headend unit is highly integrated (replaces multiple off-the-air Class A BDAs) smaller footprint, lower cost and easier to connect to battery backup and alarm panels

Scalable

Supports all common First Responder and LMR Bands: VHF, UHF, 700, 800, 900MHz ; easy to add new bands in the future

Content Aggregation & Steering

Allows combining of RF content from different radio systems and geographic origins (both local and remote signal sources)

Automatic Optical Delay Compensation

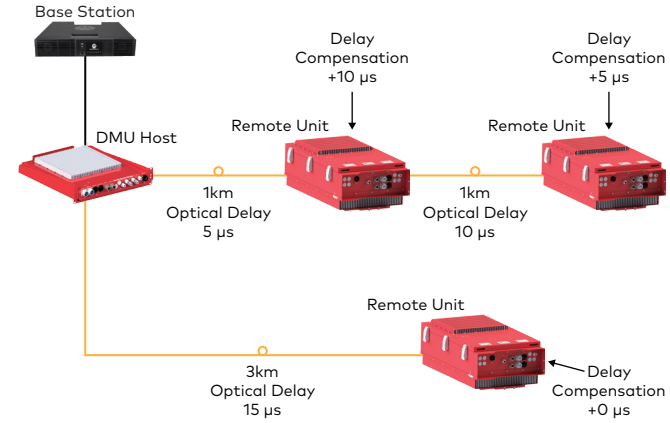
Signal arrival time is measured to each Remote Unit and automatically balanced to synchronize overall antenna system network

IP Backhaul

1 Gb/s Ethernet backhaul for IP appliances (eg. WiFi Access Points, Security Cameras)

Flexible Architecture

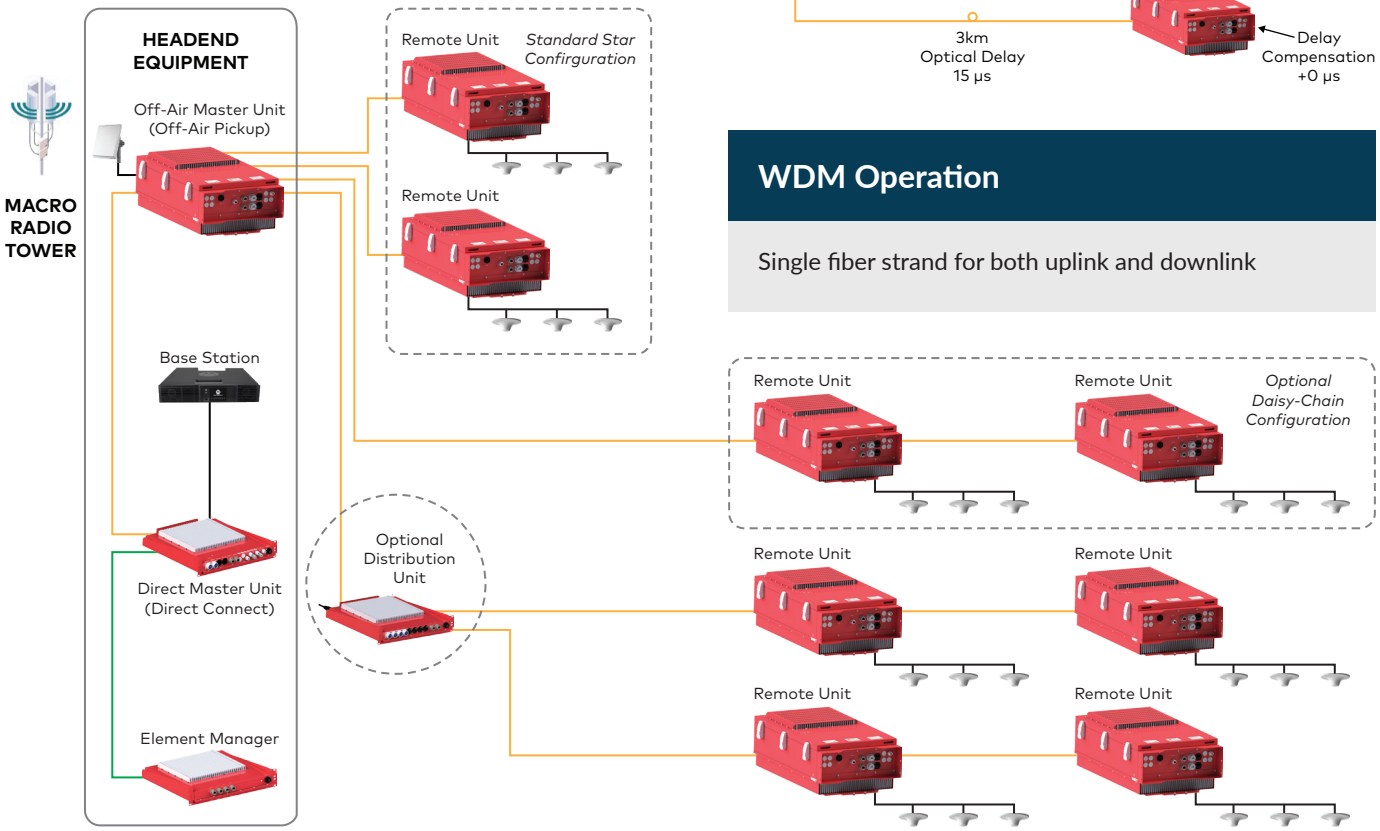
Supports multiple topologies: star, daisy-chain (cascade), hybrid, ring, thereby maximizing existing fiber resource



Cost Effective Redundancy Operation with automatic failover and intelligent control

Flexible redundancy operation and programming using advanced Rules Engine

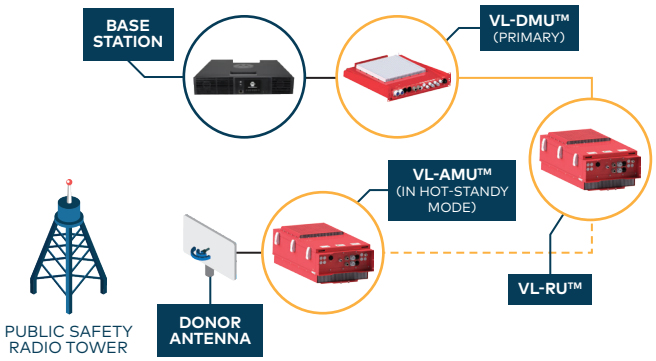
OFF-AIR & DIRECT CONNECT FIBER DAS APPLICATIONS FROM RESPONDER AGENCY DONOR SITES (ERCES)



WDM Operation

Single fiber strand for both uplink and downlink

NORMAL OPERATION



AUTOMATIC SWITCHOVER OPERATION