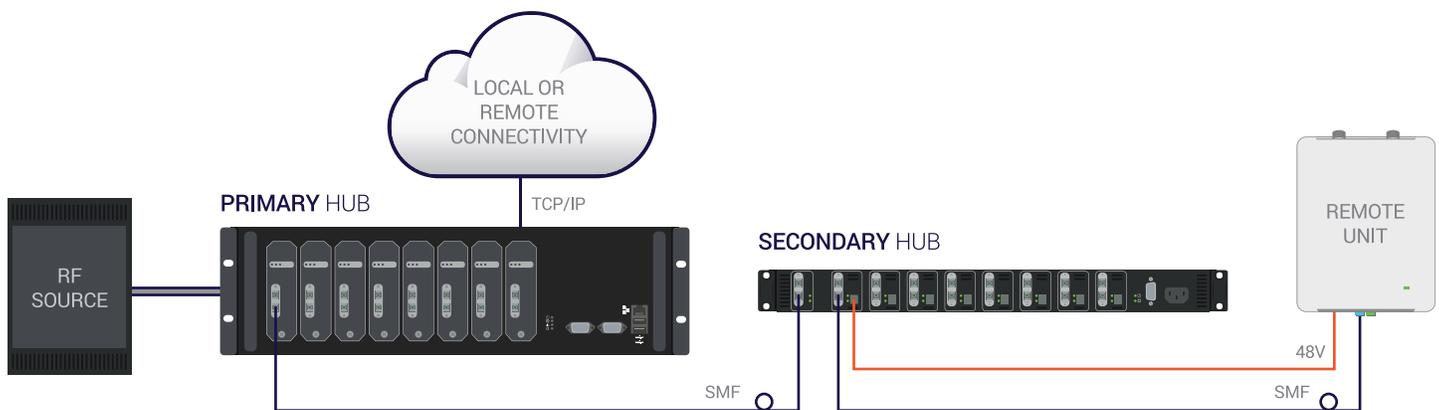


## Zinwave's UNItivity 5000 is the latest innovative, streamlined DAS platform developed to meet in-building cellular and public safety connectivity needs.

With up to 80% space savings and 17% energy efficiency, a built-in power supply for fewer parts and a universal mounting bracket for easier installation, Zinwave's UNItivity 5000 provides the most cost-effective, most flexible, and highest quality solution on the market.



It's just five total components, but it's those components that make Zinwave different from any other in-building wireless solution. **We call it the Zinwave 3F Advantage.**

### FULL SPECTRUM

A Zinwave DAS solution can support all cellular and public safety frequencies between 150MHz to 2700MHz on one hardware layer from the time of installation. Even if you initially launch your solution to support just one wireless carrier, adding frequencies in the future will not require additional hardware. No other solution provider can make that claim.

### FIBER BASED

Zinwave's in-building wireless solution uses fiber cabling throughout, often taking advantage of existing cable infrastructure. Fiber cabling makes our system more affordable and easier to install. An easier installation means less disruption to regular day-to-day business.

### FUTURE READY

Because a Zinwave DAS can support all frequencies from 150MHz to 2700MHz on one hardware layer, the solution is designed with the future in mind. If additional carriers, public safety frequencies, and new technologies are required after the initial installation, your system is ready to support those frequencies once you need them – with no adjustment to the hardware.

## Zinwave's UNtivity 5000 is comprised of a Primary Hub, Secondary Hub, Service Module, Optical Module, and Remote Unit.

### PRIMARY HUB

CATALOG #305-0001

The Primary Hub provides the interface to the RF sources and converts RF signals to optical and connects via fiber to either additional Hubs or Remotes (in the case of a single star configuration).

The Primary Hub features a unique internal service distribution matrix which provides flexibility in terms of how supported wireless services are routed within a system deployment. This means specific operators or frequencies can be routed to the entire system or to designated sections of the system, depending on requirements.

The Secondary Hub then supports fiber connections to up to eight Remotes. As such, a UNtivity system can range from a single Primary Hub and Remote (a 1-1 configuration) to a maximum configuration consisting of a Primary Hub, eight associated Secondary Hubs, and 64 Remotes (a 1-8-64 configuration).

The Hub is completely modular, as it can support up to four Service Modules for interfacing to the RF source(s) and up to eight Optical Modules for interfacing to either Secondary Hubs or Remotes.



FRONT VIEW



BACK VIEW

### SECONDARY HUB

CATALOG #305-0004

A Secondary Hub connects via a full-duplex optical link to an Optical Module that is inserted in the front of a Primary Hub. Its purpose is to distribute an RF feed from the Primary Hub to up to 8 Remote Units. A Secondary Hub supports this full 1:8 optical expansion by default, without requiring any additional modules.

Power Supply Unit (PSU) functionality for powering all of the attached Remote Units is also integrated in the Secondary Hub chassis. This 48V power is available on eight 2-way Phoenix connectors, for distribution to the attached Remote Units via copper wire pairs.

Secondary Hubs can be co-located with the Primary Hub or distributed throughout a site at significant distance from the Primary Hub, depending on the site layout and the location of appropriate equipment rooms.



## REMOTE UNIT

CATALOG #305-0007 (N-TYPE)

The Remote Unit, which is connected to the Primary or Secondary Hub via fiber (SMF), is typically mounted above ceiling tiles or in out-of-sight locations as close as possible to the service area. It converts the wireless signal from optical to RF (and vice versa) and amplifies it for transmission to or from a mobile device. Like the rest of the system, the remote is a wideband unit capable of supporting all frequencies from 150MHz to 2700MHz in any combination.



## SERVICE MODULE

CATALOG #305-0003 (N-TYPE)

Service Modules (up to four of which can be deployed in the back of a single Primary Hub) provide the interface to the RF signal source i.e. BDA, BTS, small cell, etc. The modules are hot swappable units, allowing either system maintenance or the addition of operators or frequencies to be done without disrupting service.



## OPTICAL MODULE

CATALOG #305-0002

The Optical Module is used to support the fiber link from the Primary Hub to the Secondary Hub. Secondly, the Optical Module is used to support fiber links from the Hub (Primary) to the Remotes. Up to eight Optical Modules can be deployed in the Hub for this purpose, and they are hot swappable units to allow for system maintenance or adding additional Remotes with no impact to service.

