



UNICONNECT

Zinwave's UNIconnect Active POI (Point Of Interface) is a compact, space saving device that simplifies connectivity to multiple base stations, repeaters or radio heads by removing the need for custom-built multi-component interfaces for each implementation. A feature-rich product that is modular in design, UNIconnect enhances system management, speeds up deployment and improves overall quality of service while ensuring optimal coverage at all times in all building types.

PRODUCT DESCRIPTION

UNIconnect is an Active POI that delivers band-specific duplex or simplex wideband modules as part of the head-end interface. This interface can be connected to a variety of sources, such as base stations, repeaters, and remote radio heads.

UNIconnect provides all standard head-end functionality, including filtering, attenuation, combining/splitting plus an active element which offers overload protection and dynamic control. UNIconnect permits up to two sets of four RF sources combined into two outputs (4-1 maximum), within a single 5U rack mount chassis.

Optimally designed for use with Zinwave's UNItivity wideband DAS system, UNIconnect has dual, twin-simplex (separate Rx, Tx path) RF connections to the DAS interface (Service modules). A built-in control module provides a simple user interface, system monitoring, WAN and LAN connections for EMS software management.

KEY HIGHLIGHTS

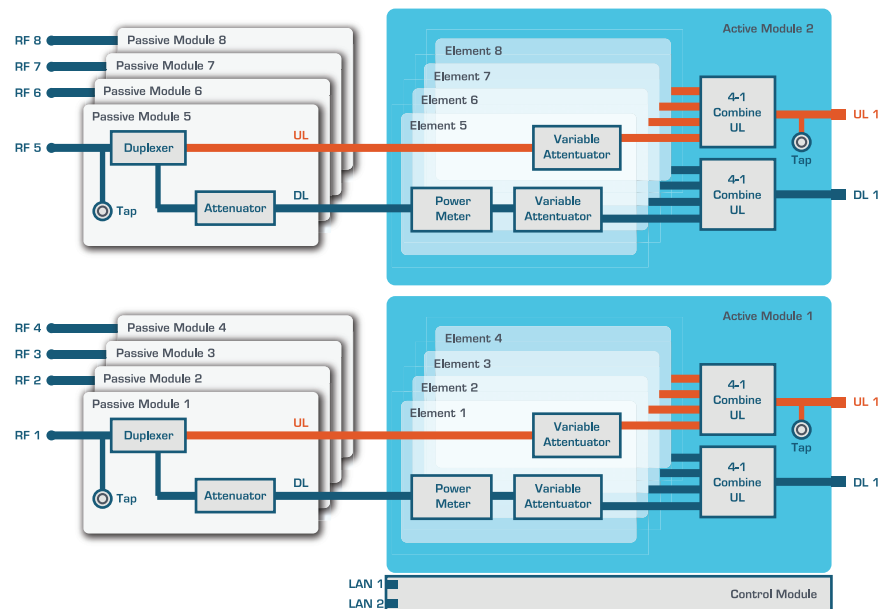
- Eight RF channels (duplex or simplex)
- High power attenuation
- Power meter on downlink
- Overload protection & alarming
- Signal conditioning
- Independent variable attenuators
- 4-1 combiner/splitter block
- Monitoring on downlink and uplink
- Control interface module

BENEFITS

- Ease of installation
- Reduced install and commissioning time
- Improved link reliability – less on-site error
- Low cost solution
- Space reduction



BLOCK DIAGRAM



SPECIFICATIONS

	DOWNLINK	UPLINK	
ARATED AVERAGE INPUT POWER	46dBm	10dBm	PER BAND
MINIMUM INSERTION LOSS	31 ±2dB	13 ±2dB	FIXED PATH LOSS – NOT VARIABLE
ATTENUATION RANGE	30dB	50dB	1 dB STEPS
PASSIVE INTERMODULATION (PIM)	153dBc		MAX FOR 2X 43dBm
UPLINK INPUT TO DOWNLINK OUTPUT ISOLATION	40 min		100MHz TO 3.3GHz
INPUT VSWR	<1.5		
IMPEDANCE	50ohm		50ohm
RF PORTS (DUPLEX)	8		
RF PORTS (SIMPLEX)	2	2	
POWER CONSUMPTION	36w		FULLY POPULATED – 8 SERVICES
DIMENSIONS (WIDTH x DEPTH x HEIGHT)	17.5" (446mm) x 14.2" (360mm) x 8.8" (222mm) 5U		19" RACK
WEIGHT	61.7lbs (28kg)		FULLY POPULATED CHASSIS

ORDERING INFORMATION

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ZINWAVE.COM

CATALOG #	ITEM DESCRIPTION	CATALOG #	ITEM DESCRIPTION
303-0001	UNICONNECT CHASSIS	303-0009	DUPLEXER MODULE 800 -3GPP BAND # 27
303-0002	INTERFACE CONTROL MODULE	303-0010	DUPLEXER MODULE 900 BAND
303-0003	CONDITIONING MODULE	303-0011	DUPLEXER MODULE 800 -3GPP
303-0004	DUPLEXER MODULE LOWER BAND 700 -3GPP BAND # 12	303-0012	DUPLEXER MODULE 900 -3GPP BAND # 8
303-0005	DUPLEXER MODULE UPPER BAND 700 -3GPP BAND # 13 & 14	303-0013	DUPLEXER MODULE 1800 -3GPP BAND # 3
303-0006	DUPLEXER MODULE 850 BAND -3GPP BAND # 5	303-0014	DUPLEXER MODULE 2100 -3GPP BAND # 1
303-0007	DUPLEXER MODULE 1900 BAND -3GPP BAND # 2	303-0015	DUPLEXER MODULE 2600 -3GPP BAND # 7
303-0008	DUPLEXER MODULE 2100 BAND -3GPP BAND # 4	303-0016	SIMPLEX MODULE WIDEBAND 350 -2700MHz