

Zinwave's UNITY 5000 is an innovative, streamlined wireless connectivity platform designed for the in-building coverage needs of today and tomorrow.

The flexible and space-saving UNITY 5000 wireless in-building solution delivers enterprise campus deployments with low total cost of ownership and high long-term value. Today's platform supports all current and planned services between 150 MHz and 2.7 GHz.

Flexible

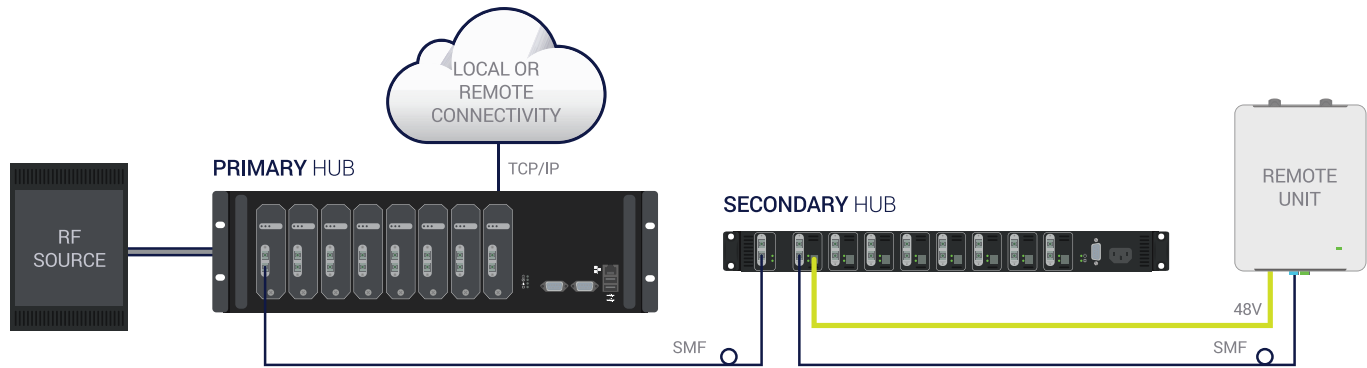
Mix and match operator services and bandwidth needs

User-Friendly

Single hardware layer with only five common components

Future-Ready

Fiber to the edge provides 4G today and 5G tomorrow



In-Building Connectivity Trusted By The World's Top Brands

Zinwave is a technology company focused on providing enterprise customers with essential in-building wireless services including cellular, public safety, and two-way radio connectivity. Solutions include a five component Distributed Antenna System (DAS), featuring Zinwave's patented wideband technology coupled with optical fiber cabling to the network edge. This architecture supports today's critical services on a single hardware layer and enables

a network infrastructure ready for the next generation of wireless technologies—all at the industry's lowest total cost of ownership. Fortune 100 corporate campuses, data centers, universities, and an array of signature properties worldwide rely on Zinwave to provide robust, reliable, and affordable connectivity.

SYSTEM RF PARAMETERS

SYSTEM BANDWIDTH	150MHz TO 2700MHz	--
SINGLE BAND GAIN FLATNESS	-1dB (MIN) TO +1dB (MAX)	IN ANY 100MHZ BAND
WIDEBAND GAIN FLATNESS	-5dB (MIN) TO +1dB (MAX)	380MHZ TO 2700MHZ

DOWNLINK

GAIN	25dB (MAX)	1dB STEPS
RF INPUT POWER TO SERVICE MODULE	-25dBm (MIN) TO +15dBm (MAX)	WORKING INPUT POWER
RF OUTPUT POWER	+20Bm (MAX)/+18dBm (MAX)	FOR SERVICES APPROVED TO FCC/CE

UPLINK

GAIN	25dB (MAX)	1dB STEPS
RF INPUT LEVEL	-20dBm (MAX)	INTO ORU UL PORT
RF OUTPUT POWER	-10dBm (MAX)	OUTPUT POWER OF SERVICE MODULE IN HUB

FIBER OPTIC SPECIFICATIONS

NUMBER OF OPTICAL PORTS	UP TO 8 TRANSCEIVERS IN MODULAR FORMAT ON PRIMARY HUB; 9 DUPLEX LINKS SUPPORTED DIRECTLY ON SECONDARY HUB; 1 DUPLEX LINK PER REMOTE UNIT	
WAVELENGTH	1310nm	
OPTICAL FIBER PARAMETERS	SINGLE MODE (SM) CABLE 9/125 μm	
FIBER DISTANCE	5dB _o OPTICAL LINK BUDGET ON ANY FIBER LINK, DISTANCE DEPENDENT ON FIBER TYPE & QUALITY	
LASER SAFETY CLASSIFICATION	CLASS 1	

CONNECTIVITY

PRIMARY HUB	SERVICE CONNECTION N-TYPE FEMALE CONNECTORS (SERVICE MODULE)
HUB INTERCONNECT <small>PRIMARY TO SECONDARY</small>	FIBER SC/APC DUPLEX CONNECTORS
SECONDARY HUB <small>INTEGRATED POWER</small>	DUAL SCREW TERMINALS AWG 12-24
ALARMING	EXTERNALLY VIA DB9 CONNECTOR
REMOTE UNIT	FIBER SC/APC DUPLEX CONNECTORS
ANTENNA <small>PORTS ON ORU</small>	2 N-TYPE FEMALE CONNECTORS

PHYSICAL, ELECTRICAL & ENVIRONMENTAL SPECS

	PRIMARY HUB	SECONDARY HUB	REMOTE UNIT
DIMENSIONS <small>W / D / H INCHES (mm)</small>	17.5" (444) X 17.08" (430) X 5.2" (132)H (3U)	17.48" (444) x 17.13" (435) x 1.72" (43.7)h (1U)	8.11" (206) x 9.96" (253) x 2.16" (55)h
WEIGHT	33.3 LBS (15.10 KG) FULLY POPULATED	15 LBS (6.8 KG)	6.2 LBS (2.8 Kg)
ELECTRICAL <small>DEPENDING ON CONFIGURATION</small>	AC: 110/230V, 50/60HZ/180 W (MAX)	AC: 110/230V, 50/60Hz/1241 W (MAX)	48V DC / 24W (MAX)
OPERATING TEMP <small>AMBIENT NON-CONDENSING</small>	-5 TO +45 °C (23 TO 113 °F)	-5 TO +45 °C (23 TO 113 °F)	-5 TO +50 °C (23 TO 122 °F)
			REMOTE UNIT IS A SELF-CONTAINED METALLIC ENCLOSURE APPROVED FOR USE IN ENVIRONMENTAL AIR SPACE

STANDARDS & APPROVALS

EUROPE	CE MARKED FOR RADIO EQUIPMENT DIRECTIVE 2014/53/EU AND ROHS DIRECTIVES 2011/65/EC
USA FCC	FCC CERTIFIED
CANADA	INDUSTRY CANADA CERTIFIED
SAFETY	IEC 60950-1, EN 60950-1, UL60950-1, UL 2043, UL LISTED-E486578
LASER SAFETY	IEC 60825-1: 2007

ORDERING INFORMATION

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