

Public Safety Remote Unit

Zinwave's wideband Public Safety Remote Unit supports all services from 150–2700 MHz including VHF (150 MHz), UHF (450 MHz), FirstNet Band 14 (700 MHz), 800 MHz, and all TETRA bands in any combination.

The Remote Unit, which is connected to a Primary or Secondary Hub via fiber (SMF), converts the wireless signal from optical to RF (and vice versa) and amplifies it for transmission to or from a mobile device. It is powered with 48V DC, either from the Secondary Hub or a Power Supply Unit (PSU) when connected directly to the Primary Hub. Battery back-up of Hubs ensures the Remote Unit is backed-up.

This Remote Unit is NEMA 4 and IP66 rated when the add-on tray is attached. The add-on tray provides three cable entry points for maximum flexibility for various fiber, power and alarm connection configurations. NFPA-compliant alarming connections are on the unit.

The Remote Unit is typically mounted above ceiling tiles or in out-of-sight locations as close as possible to the service area. It can be mounted in any orientation using the supplied mounting bracket.



About Zinwave

Zinwave is a Dallas-based technology company focused on providing in-building wireless solutions for cellular and public safety connectivity that are essential for business. Solutions include a five component Distributed Antenna System (DAS), featuring Zinwave's patented 3F advantage — fiber cabling throughout, full spectrum support on a single hardware layer, and future ready for the next generation of wireless technology.

Zinwave's refined technology offers the lowest total cost of ownership, and the Cellular as a Service option enables connectivity by converting it into an operating expense. Zinwave customers come from around globe and span a wide array of industries.

For more information, please visit www.zinwave.com

REMOTE UNIT SPECIFICATIONS

POWER CONNECTIVITY	48 V DC POWER INPUT VIA PHOENIX 5.08 mm 2-WAY CONNECTOR; AWG 12-24
FIBER CONNECTIVITY	SC-APC DUPLEX
ANTENNA CONNECTIVITY	SIMPLEX N-FEMALE CONNECTORS (TX AND RX)
TRAY CONNECTIVITY	3 GLANDS WITH M16, M32, M20 SCREW THREADS (LEFT TO RIGHT FROM FRONT), BLANK PLATES AND GLANDS PROVIDED, CABLE DIAMETERS RANGING BETWEEN 2 mm AND 21 mm CAN BE SUPPORTED WITH SUPPLIED GLANDS
OTHER CONNECTIVITY	ALARM RELAY: PHOENIX 5.08 MM 3-WAY, WITH NORMALLY CLOSED AND NORMALLY OPEN CONNECTIONS
DIMENSIONS W / D / H (MM)	8.11" (206) x 16.3" (415) x 2.16" (54.8), MEASUREMENTS INCLUDE SUPPLIED MOUNTING BRACKET
WEIGHT	6.6 LBS (3 KG)
ELECTRICAL DEPENDENT ON CONFIGURATION	48 V DC / 0.5 A / 24 W (82 BTU/HR)
OPERATING TEMP AMBIENT NON-CONDENSING	-5 TO +50 °C (23 TO 122 °F)

REMOTE UNIT PARAMETERS

	TYPICAL	MAX	UNIT	NOTES
NOISE FIGURE	--	8	dB	AT MAXIMUM RU GAIN
RF OUTPUT POWER	--	+20/+18	dBm	COMPOSITE DOWNLINK POWER [FCC/CE]; UPLINK IS AGC LIMITED
BROADBAND NOISE EMISSION	-114	--	dBm/Hz	AT MAXIMUM TRANSMIT POWER
SPURIOUS EMISSIONS	--	-36/-30	dBm	9 KHz-1 GHz (100 KHz BW) / 1 GHz-12 GHz (1 MHz BW)
CROSS-MODULATION EMISSIONS	--	-60	dBc	TX EMISSIONS AROUND NARROWBAND SIGNAL IN PRESENCE OF WIDEBAND SIGNAL
REMOTE UNIT P1 dB	+32	--	dBm	
OIP3	45	--	dBm	AT MAXIMUM RU TRANSMIT POWER
OIP2	60	--	dBm	AT MAXIMUM RU TRANSMIT POWER
OPTICAL TRANSMIT POWER	--	8	mW	AUTO-CONFIGURED
OPTICAL RECEIVE POWER	--	10	mW	

APPROVALS AND LISTINGS

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; UL2043; ULE486578
LASER SAFETY	IEC 60825-1:2007
ENVIRONMENTAL	NEMA 4, IP66

ORDERING INFORMATION

	CATALOG #	ITEM DESCRIPTION
TO LEARN MORE OR TO FIND A SALES REP, PLEASE VISIT OUR WEBSITE: ZINWAVE.COM	305-0007	UNITIVITY REMOTE, WHITE
	305-0007-R	UNITIVITY REMOTE, RED
	305-0008	UNITIVITY IP66 SPLICE TRAY, WHITE
	305-0008-R	UNITIVITY IP66 SPLICE TRAY, RED

