

8 REASONS

WHY RADWIN 2000 BEST MEETS PUBLIC SAFETY DEMANDS

RADWIN 2000 is the ideal choice to meet the demands of Public Safety network connectivity. Delivering up to 200Mbps RADWIN 2000 supports high-end mission critical applications that demand assured performance and guaranteed bandwidth.

1

Highest capacity to serve the five 9's & broadband applications

RADWIN 2000 delivers up to 200Mbps net aggregate throughput to support Public Safety agencies that require reliable communication links with 99.999% availability, even at long ranges. In parallel, RADWIN 2000 high capacity solution allows officials to implement high-end applications such as high resolution video surveillance, data base access, sensors transmission and more.

2

Smooth migration to all IP P25 systems

RADWIN 2000 facilitates P25 system connectivity for delivery of high bandwidth demanding applications to enhance the performance of a first responder. RADWIN's Hybrid native TDM (Up to 16 T1s) and IP solution enables gradual, seamless and cost effective migration from conventional 2-Way radio systems to all IP P25 and data security applications.

3

Superb performance in harsh conditions

RADWIN 2000 incorporates advanced techniques that assure superior operation in harsh conditions. RADWIN's interference mitigation technology has been successfully deployed in hundreds of thousands of links that contend with challenging surroundings. This technology combined with OFDM, MIMO 2x2 and space diversity enables RADWIN 2000 to establish robust performance in nLOS / NLOS deployments while benefitting from high spectrum efficiency.

4

Multi-band capabilities, all in a single unit

RADWIN 2000 radios support an extensive range of frequency bands in the same unit: 2.4GHz and 4.8 - 6GHz including the 4.9GHz Public Safety Band. This capability allows for flexible radio planning during initial network deployment and future evolvement. RADWIN's multiband offering dramatically reduces operational efforts when changing the operating band throughout the network life cycle while at the same time saving CAPEX.

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5

Unique redundancy - no downtime

To ensure maximum service availability in mission critical applications 1+1 protection is provided for both TDM and IP traffic. In addition, RADWIN 2000 unique and built-in SECUR (Self-healing Ethernet Connectivity Using Ring) technology creates highly cost effective ring topology networks between agencies sites and LMR base stations and repeaters.

6

Extremely simple to install and maintain

RADWIN 2000 is designed for quick and easy installation with no pre-settings required. Link alignment and synchronization is based on buzzer and does not involve external means. Just four simple steps are needed to complete the link configuration making installation very easy.

7

Co-exist with RADWIN 5000 HPMP

RADWIN 2000 together with RADWIN 5000 HPMP (High capacity Point-to-MultiPoint) creates a complimentary solution for Public Safety access (Video Surveillance) and backhaul deployments. These solutions can both be managed using the same Network Management System (NMS). Both last mile and backhaul segments can be TDD synchronized to prevent mutual interference in order to deliver high capacity over long ranges.

8

TCO gain, fast ROI

Using RADWIN solutions agencies can provide TDM and Ethernet applications to eliminate recurring leased line charges and significantly reduce operational expenditures. This enables ROI (Return on Investment) within less than a year!

10-Year Total Cost of Ownership (TCO) Model per Site Connectivity
4.6Mbps using 3 T1 lines versus 50Mbps with single RADWIN 2000 link

	RADWIN 2000		LEASED LINES BACKHAUL	
Capacity	50Mbps (Full duplex including 4 T1s)		4.6Mbps using 3 T1 lines	
OPEX	Tower lease/Link	\$200/ Month	\$1500/ Month for 3 T1 lines	
	Indoor space and power cost	\$100/ Month		
CAPEX	RADWIN 2000 Cost	\$6000 / Link	/	/
	Installation cost	\$3000 / Link		
	Switching equipment	\$2400 / Link		
Capital Cost	5%			
10 Year TCO (NPV)	\$39,000		\$140,000	
10 Year Cost Per Megabit	\$780		\$30,435	

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