



A UNIQUE APPROACH FOR HIGH CAPACITY POINT TO MULTIPOINT CONNECTIVITY

# RADWIN 5000 HPMP

RADWIN 5000 HPMP delivers up to 200Mbps and is the ideal choice for last mile enterprise connectivity and high-end applications that demand assured performance with guaranteed bandwidth per subscriber.

**RADWIN**



# Highest Base Station Capacity for the Best User Experience

RADWIN 5000 HPMP sector base station delivers up to 200Mbps, providing the highest end user capacity in the market to best support voice, data and high resolution video applications, today and tomorrow. By delivering high capacity over a single radio unit, RADWIN solution saves valuable tower space, eases maintenance efforts and reduces the total cost of ownership per megabit. Offering a variety of powerful SUs, RADWIN 5000 HPMP enables service capacity of up to 50Mbps for enterprise customers.

**Highest  
Capacity**

**Spectrum  
Efficiency**

**Secured  
SLA**

**Superb  
Performance**

**All-in-One  
Multiband**

**Compact  
SUs**

**Harmonized**



# Greater Spectrum Efficiency for Faster ROI

Delivering the highest spectrum efficiency available in the market, RADWIN 5000 facilitates transmission of greater throughput over narrower channel bandwidth.

High spectrum efficiency enables additional network revenue, reduction of spectrum license fees and increased flexibility in frequency planning and channel selection.

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# Secured Service Level Agreement for Demanding Applications

RADWIN 5000 HPMP uniquely secures available bandwidth per end user, guaranteeing SLA for business clients and demanding applications (e.g. video surveillance). RADWIN provides a novel approach that prevents a Subscriber Unit (SU), suffering from inferior transmission performance, from reducing the capacity level of other SUs that share the same sector.

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# Superb Performance in Harsh Conditions

RADWIN 5000 HPMP 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 environments. This technology combined with OFDM, MIMO 2x2 and antenna diversity enables RADWIN 5000 HPMP to establish robust performance in nLOS /NLOS deployments while benefitting from highest spectrum efficiency.

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# Multi-Band Capabilities, All in a Single Unit

RADWIN 5000 HPMP radios, including Base Stations (BS) and Subscriber Units (SU), support an extensive range of frequency bands in the same unit: either 4.8 - 6GHz or 3.3 - 3.8GHz. This capability allows for flexible radio planning during initial network deployment and future evolution. RADWIN's multiband offering dramatically reduces operational efforts when changing the operating band throughout the network life cycle and at the same time saves on CapEx.

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# Low Visual Impact Subscriber Units (SUs)

RADWIN 5000 HPMP offers a variety of SUs, some of them guaranteeing exceptionally low visual impact due to the small form factor of their integrated antenna, making them both environmentally friendly and easy to deploy. With built-in connectors, these SUs maintain the flexibility to utilize an external antenna whenever needed. This low visual impact approach reduces inventory burdens and saves CapEx.

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# Co-exist with RADWIN PtP

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

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## **RADWIN PTMP solution is ideal for multiple applications including...**

- Last mile enterprise connectivity
- High resolution video surveillance
- Private Networks (WAN) infrastructure
- Mission critical broadband applications
- Remote broadband connectivity
- Backhaul for IP cellular base stations
- Backhaul for wireless & landline access systems (Wi-Fi hot spot, DSLAM)

## **Potential RADWIN 5000 HPMP Customers**

- Service Providers
  - Utilities
  - Government and security agencies
  - Enterprises owning a broadband network
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# ABOUT RADWIN

Delivering best of breed wireless connectivity solutions, RADWIN is committed to providing a complete offering for the Sub 6GHz domain. Recognized as the market expert, RADWIN provides competitively priced products that achieve unmatched reliability, flexibility and installation simplicity. RADWIN provides innovative carrier-class solutions in over 130 countries around the world. Company success is due to swift delivery of high quality wireless connectivity products that secure unrivaled performance for broadband access, backhaul connectivity, private networks and specialized broadband mobility applications.

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