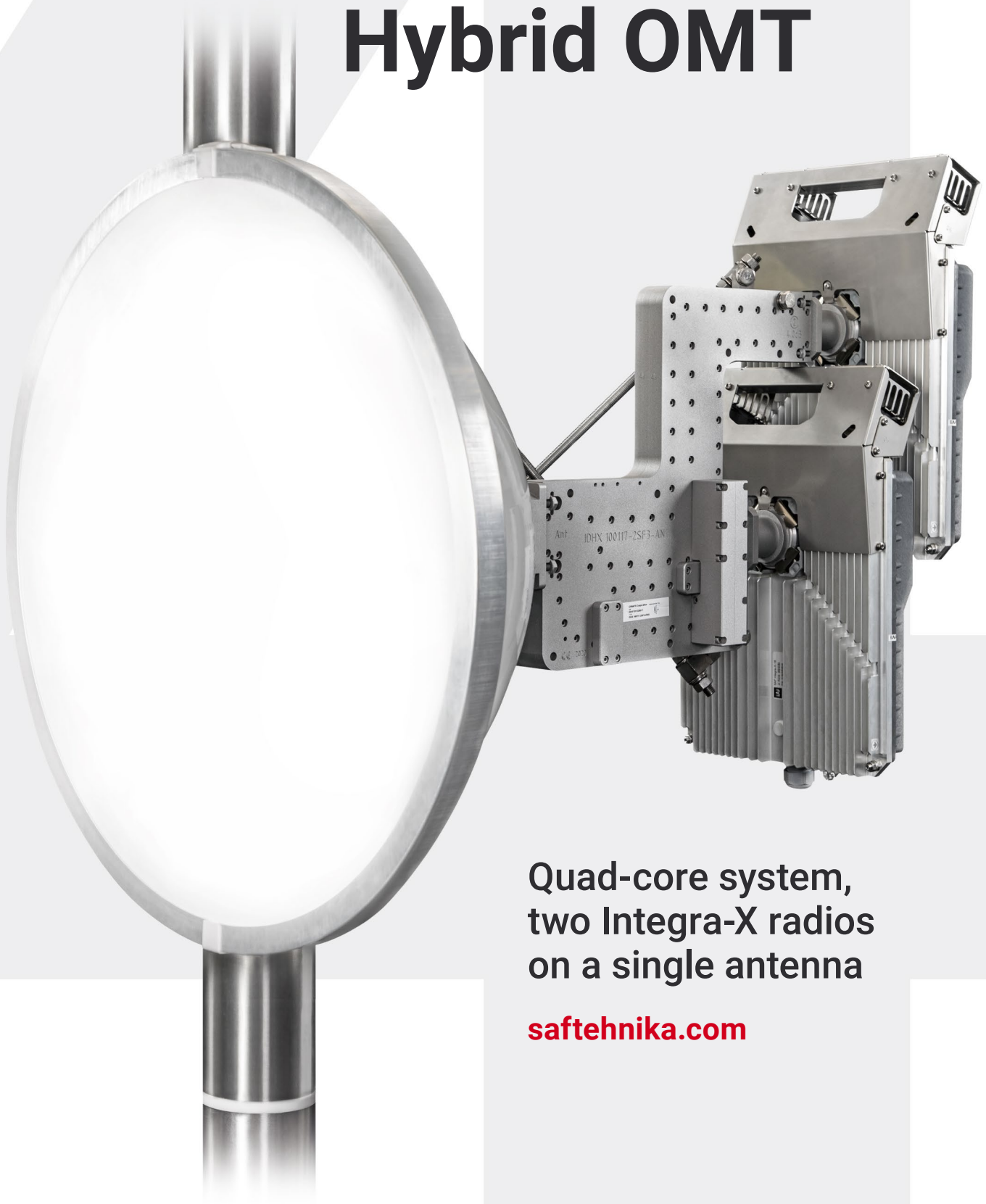


# 4+ Gbps

UP TO



## Solution with Hybrid OMT



Quad-core system,  
two Integra-X radios  
on a single antenna

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**Integra-X dual core radio** operates with built-in 2+0 XPIC mode, ensuring up to 2+ Gigabits per second capacity in a single radio enclosure. The radio delivers reliably high transmit power and receiver sensitivity at all available frequency bands.

Frequency	Max Tx Power @4QAM [dBm]	Max Tx Power @4096QAM [dBm]
6, 7, 8, 11 and 18GHz	+31	+26
13 and 23 GHz	+29	+24
15 GHz	+32	+27

One of the biggest challenges for connectivity providers around the world is delivering reliably high capacity of data transmission over long distances – while keeping the latency as low as possible. SAF Tehnika has always been up to the challenge to provide the very best equipment for the job – therefore we are proud to present a new hybrid OMT (hOMT) solution to reach your connectivity goals. By mounting two Integra-X radios on a single antenna, you can now reach four independent transmission channels to double the link capacity, i.e., allowing up to 4+ Gbps traffic to be transmitted over distances of more than 20 km\*.

## Hybrid OMT's Main Electrical Parameters

Frequency	Insertion Loss (per radio port)	Return Loss	Inter-Port Isolation
6GHz	3.8dB (max)	15dB (min)	20dB (min)
11GHz	4dB (max)	20dB (min)	18dB (min)
18GHz	4.5dB (max)	14.5dB (min)	20dB (min)

### The hybrid OMT solution from SAF Tehnika consists of:

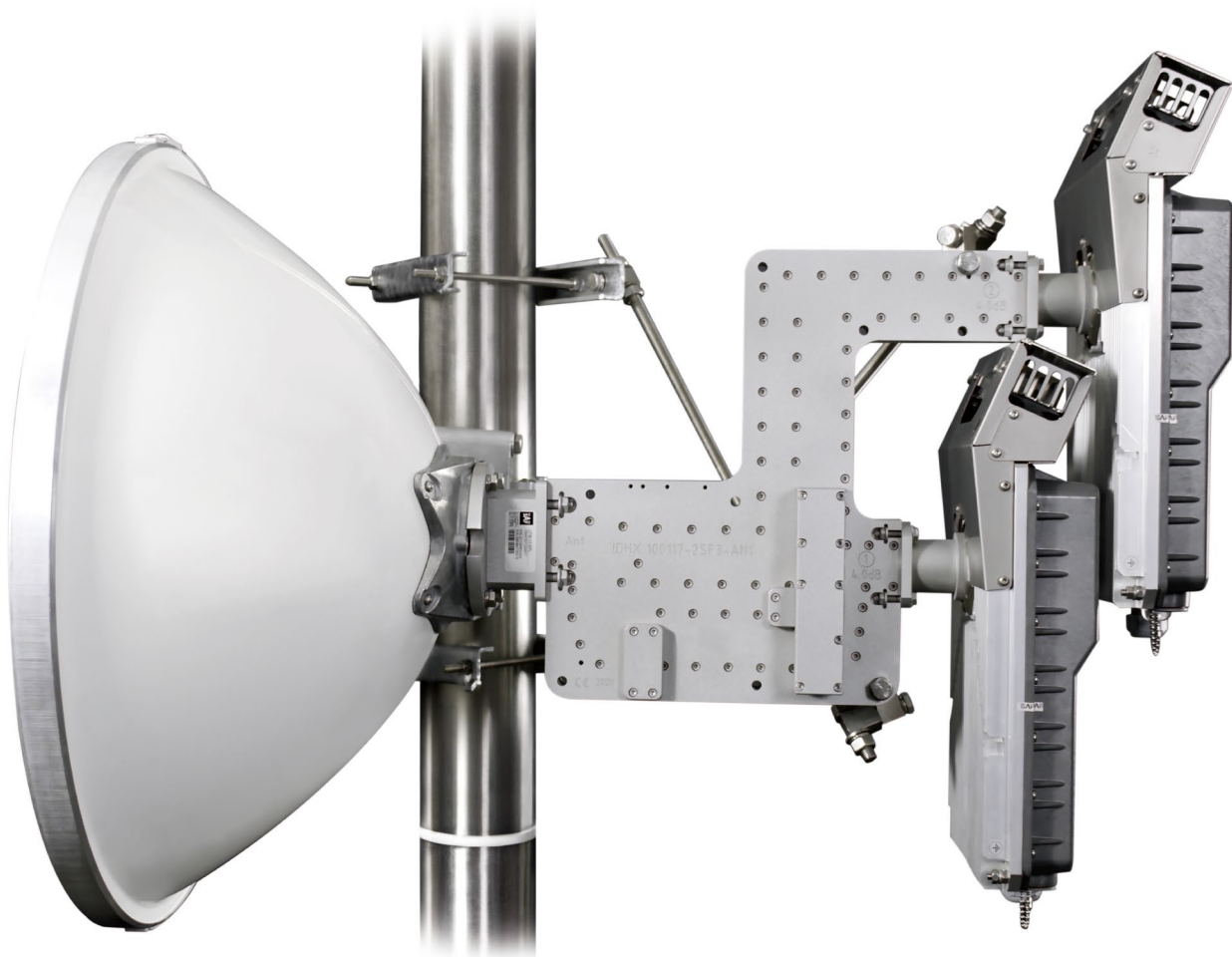
- ✓ Two Integra-X radios
- ✓ External Ethernet switch aggregation
- ✓ CommScope VHLP antenna (0.9–1.8 m / 3–6 ft in diameter)
- ✓ Hybrid OMT

### Advantages of the hybrid OMT solution:

- ✓ Less tower space needed
- ✓ Reduced weight and wind load
- ✓ Saving on shipping, installation and tower rental costs, resulting in lower total cost of ownership
- ✓ Fast and easy installation

Whether you are a telecom, WISP, government or corporate network planner, the robust hOMT solution can be the perfect addition to your arsenal of tools, allowing you to save both money and time to achieve the highest capacity – without sacrificing the distance of your links.

\*Precise link budget calculation is required in order to assess the actual capacity increase



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For more information about SAF Tehnika's products visit [saftehnika.com](https://saftehnika.com)  
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