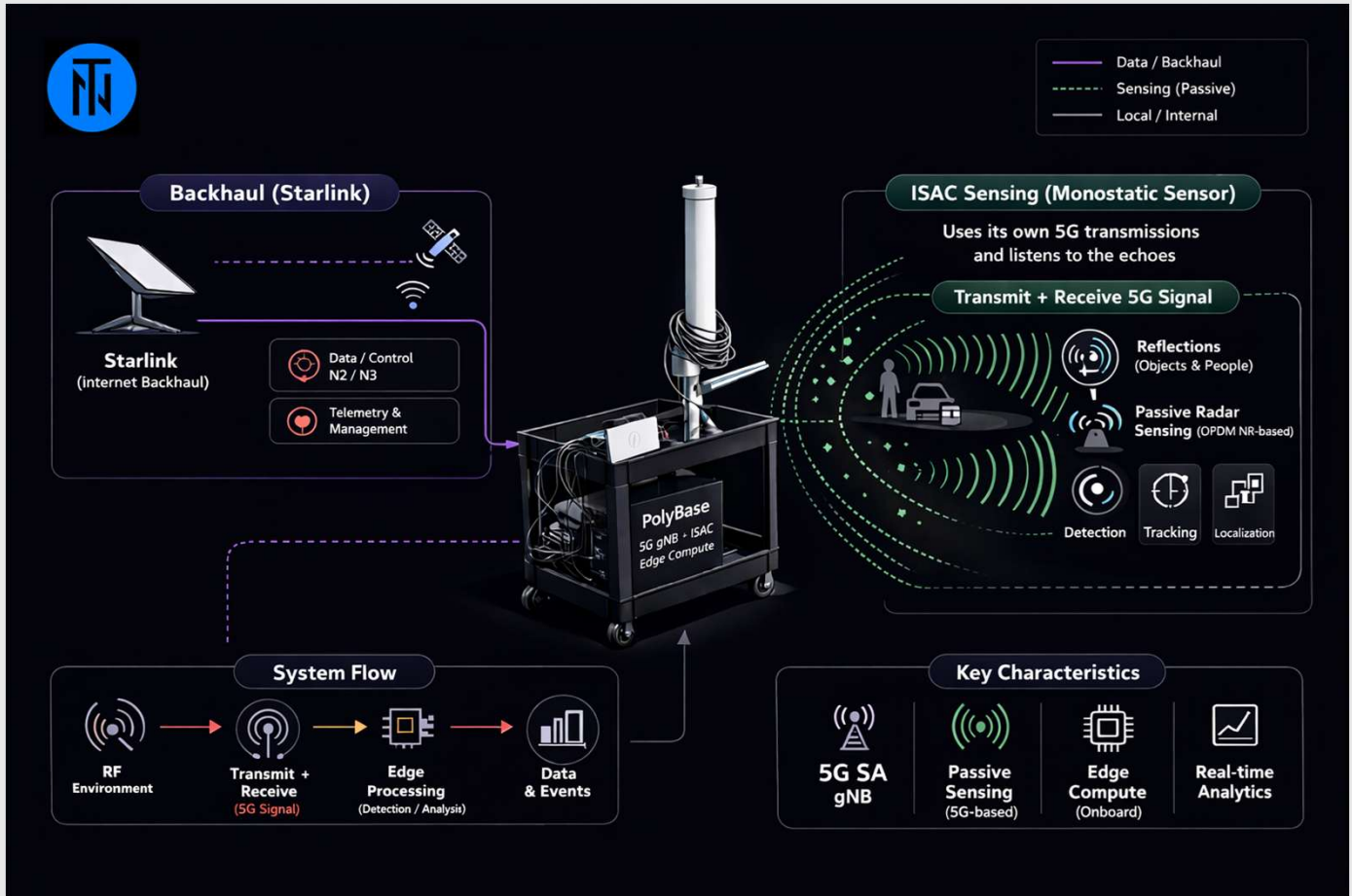


PolyBase™ Product Information



PolyBase combines 5G connectivity and monostatic sensing in a single platform, using its own gNB transmissions to detect, track, and localize objects from the returned echoes while maintaining 5G SA network coverage and onboard real-time processing.

CONNECT WITH THE TIAMI NETWORKS TEAM:

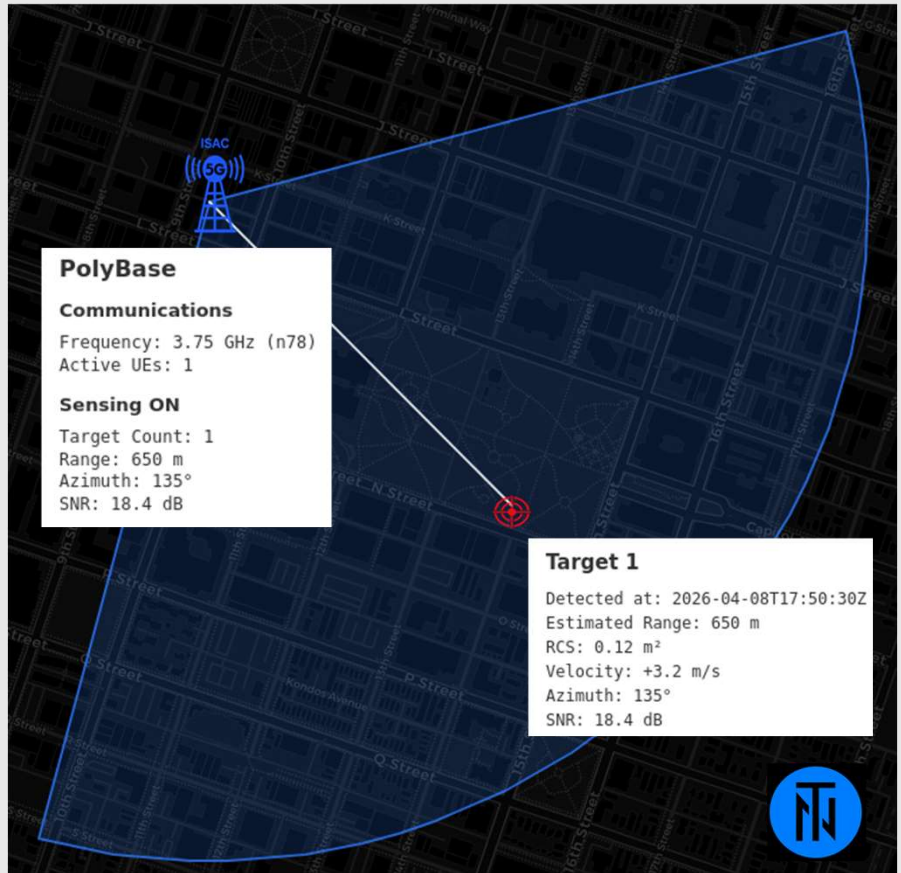
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Specifications	
Detection Accuracy	> 85% *
Typical Sensing Range	10 - 500m
Number of Sensed Targets	1 **
Supported Technology	5G SA
Supported 5G Bands	n78, n3***
Radiated EIRP	Up to 5 W
Typical 5G Coverage Radius	500m
Max Power Consumption	1500 W
Avg Power Consumption	1000 W



This figure shows PolyBase as a 5G SA gNB with integrated monostatic sensing, combining wireless connectivity and real-time target detection in a single platform. The left panel summarizes the main system specifications, while the right panel illustrates its coverage area and sensing output, including target range, azimuth, velocity, and SNR.

About Tiami Networks Inc

Founded by seasoned professionals from industry leaders such as Ericsson, Verizon, Qualcomm, and Meta, Tiami Networks is a visionary startup based in California. With deep-rooted expertise in telecommunications, its team is dedicated to revolutionizing the global 5G landscape. Its mission is to transform the 5G system into the world's largest distributed radar network, harnessing this technology for consumer and commercial applications. By integrating advanced AI and radar technology with 5G networks, Tiami Networks aims to create smarter, safer, and more efficient environments, enhancing connectivity and data analysis capabilities across various sectors. Our commitment to innovation positions us at the forefront of the next wave of technological advancements, poised to redefine the future of communication and environmental intelligence.

Connect

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