



Bringing Gigabit Connectivity to the World

Starlink will leverage Xsight Labs’ switch to serve as the high-speed networking core for its next-generation Starlink V3 satellites.

Powered by the Xsight’s X2 Programmable Ethernet switch, Starlink’s new V3 satellites open the door to gigabit-level speeds across the globe, connecting rural and remote communities, developing regions and underserved areas, from Space.



Boldly Going Where No Switch Has Gone Before

Xsight’s X2 fully programmable architecture allows it to dynamically adapt to evolving orbital networking demands, ensuring optimal performance across a wide range of satellite workloads.

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Starlink demands next generation networking capabilities to quickly expand access to high-speed internet all around the world. Xsight’s X2 chip will form an integral part of the terabit routing needs of the next generation of Starlink satellites.

MICHAEL NICOLLS, VP STARLINK ENGINEERING, SPACEX.



The networking demands of such performance is out of this world.

Using state-of-the-art 100G SerDes technology, Xsight’s X2 Switch provides 12.8 terabits per second of switching capacity, enabling rapid, stable, ultra-low-latency routing through Starlink V3’s internal communication systems.

This means colossal amounts of data can be transferred faster and more efficiently, significantly reducing power consumption.

GLOBAL CONNECTIVITY CAN EMPOWER:

EDUCATION



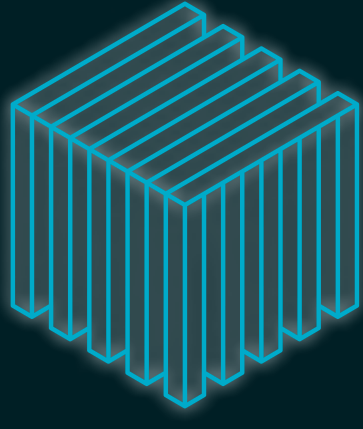
Access to education/
remote learning

HEALTHCARE



Telemedicine and
healthcare access

OPPORTUNITY



Greater economic
opportunities

COMMUNITY



Fast, reliable
connectivity

INFRASTRUCTURE



Disaster outage
resilience



Xsight’s X2 Programmable Ethernet Switch enables terabit-class satellites with ultra-fast, programmable, space-qualified networking. By delivering high-performance, reliable switching at the far edge of space, Xsight is helping unlock accessible, high-speed connectivity for remote and underserved regions worldwide.

Discover how Xsight Labs is advancing satellite networking technology.

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