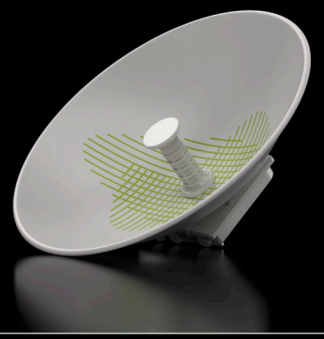
Aggregation Level For Backhaul

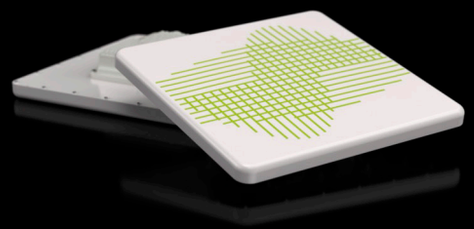
For projects requiring MultiGigabit traffic over long distances, Astra Quasar can provide up to 2.1 Gbps in 160 MHz and 1.1 Gbps in 80 MHz



ASTRA QUASAR

Long Links In Extremely Noisy Conditions

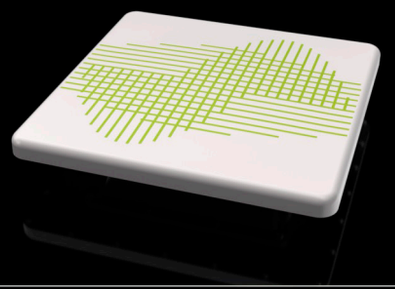
For projects with challenging operating conditions—such as dense urban areas with high interference or extended distances—Astra Quanta delivers exceptional interference mitigation and stable connectivity at ranges up to 200 km



ASTRA QUANTA

Last Mile Level Connections

When connectivity requires not just packet delivery but specific SLA and security levels for triple-play services, Astra Evolution enables flexible configuration of QoS, traffic limiting, and filtering options



ASTRA EVOLUTION

Astrawireless

Develops high-capacity wireless systems for backhauls and access networks, designed for complex, high-performance environments

Seamless Backhaul, Even In The Harshest Environments

Wireless Connectivity Up To 200km → Up To 2.1 Gigabit For Radio Backhaul → Full Last Mile Network Functionality → Resilient Performance In Noisy Spectrums

WHEREVER YOU NEED PTP CONNECTIVITY



POINT-TO-POINT SOLUTION

Integrated Router

Do more than just configure VLANs, use extended Layer-2 and Layer-3 functions

Highly Robust

Industrial-grade components extend equipment lifespan and ensure long-term performance in demanding environments

High Power

Ensures stronger signal at high-order modulations than competing systems

Full Last Mile Network Functionality

Last mile equipment must support various traffic prioritization protocols to ensure service quality. Security is equally critical — from logical user separation to encryption and network protection, these features are mandatory for ISPs.

Astra Evolution meets these demands as a fully functional Layer 2 switch and Layer 3 router, offering advanced QoS and traffic shaping for integration into networks of any scale.

Up To 2.1 Gigabit For Radio Backhaul

Backhaul links at the aggregation level require both high capacity and long-range performance. While many unlicensed wireless solutions can offer gigabit throughput, they typically fall short on distance — covering only a few hundred meters to a couple of kilometers.

Backhaul built on Astra Quasar equipment can cover up to 26 km in a single span while maintaining gigabit throughput



Wireless Connectivity Up To 200km

As demand for high-speed communication reaches remote and hard-to-access areas, traditional infrastructure often proves unfeasible — especially on islands or across terrain where cabling isn't an option.

Astra Quanta bridges this gap with high output power and resistance to signal distortion, enabling reliable wireless links up to 200 km

Resilient Performance In Noisy Spectrums

In dense urban environments, where wireless congestion is high and the unlicensed spectrum is crowded, maintaining a stable link is a serious challenge.

Astra Quanta tackles this with broad frequency support and advanced interference mitigation tools — including dynamic frequency selection, adaptive modulation, and uplink/downlink separation — to ensure consistent performance even in the noisiest conditions