IP Transit Solution

FULLY MANAGED, LOW LATENCY, HIGH THROUGHPUT IP TRANSIT

SES Networks' IP Transit makes it easier and more affordable to launch internet connectivity services quickly, as it combines all aspects of the service lifecycle into a single solution. There's no need to arrange for or manage equipment, connectivity, peering, or support from different sources. IP Transit allows for an OPEX driven business model from day one, by limiting the required CAPEX usually associated with terminals and networking. One simple monthly charge includes connectivity, peering, spares and lifecycle support.

Why SES Networks for IP Transit?

IP Transit is a unique carrier class, space and terrestrial, low latency, high throughput infrastructure, providing IP connectivity at up to 2Gbps. With SES Networks' unique combination of MEO and GEO constellations, IP Transit provides best of breed access to Content Delivery Networks (CDNs) and Cloud Service Providers (CSPs) by peering at premier public internet exchanges ensuring a great content consumption experience. IP Transit also allows for regional peering and content injection, leading to a superior end-customer Quality of Experience (QoE).

Key Features

- 99.5-99.9% availability dependent on location and configuration
- Up to 2Gbps connectivity managed end-to-end service
- Low round-trip satellite data latency of <150ms
- Fiber equivalent network service quality
- BGPv4 or static IP routing (AS 60725)
- Dual stack (IPv4 and IPv6)
- Distributed Denial of Service (DDoS) mitigation
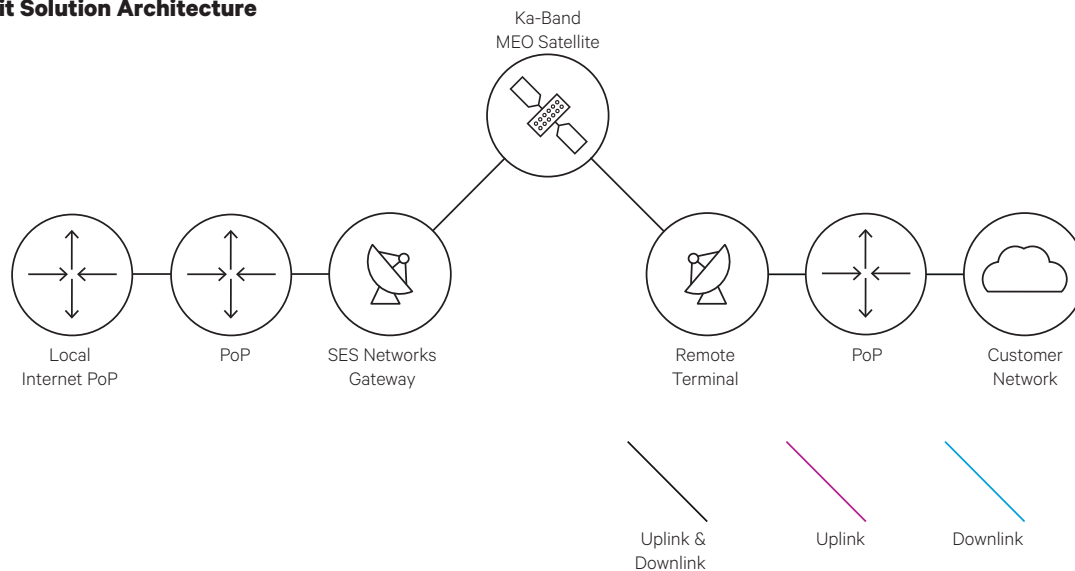- One monthly OPEX fee
- Full lifecycle services

Benefits

- Global Tier 1 IP peering relationship and redundant connectivity
- Interconnection with top CDNs and CSPs
- Caching servers collocated at gateways
- Proactive analytics to monitor QoE
- Redundant IP network topology
- Redundant PoP and gateway hardware
- 24x7 Network Operations Centers (NOCs)
- Continuous proactive monitoring and analytics
- Online portal for visibility

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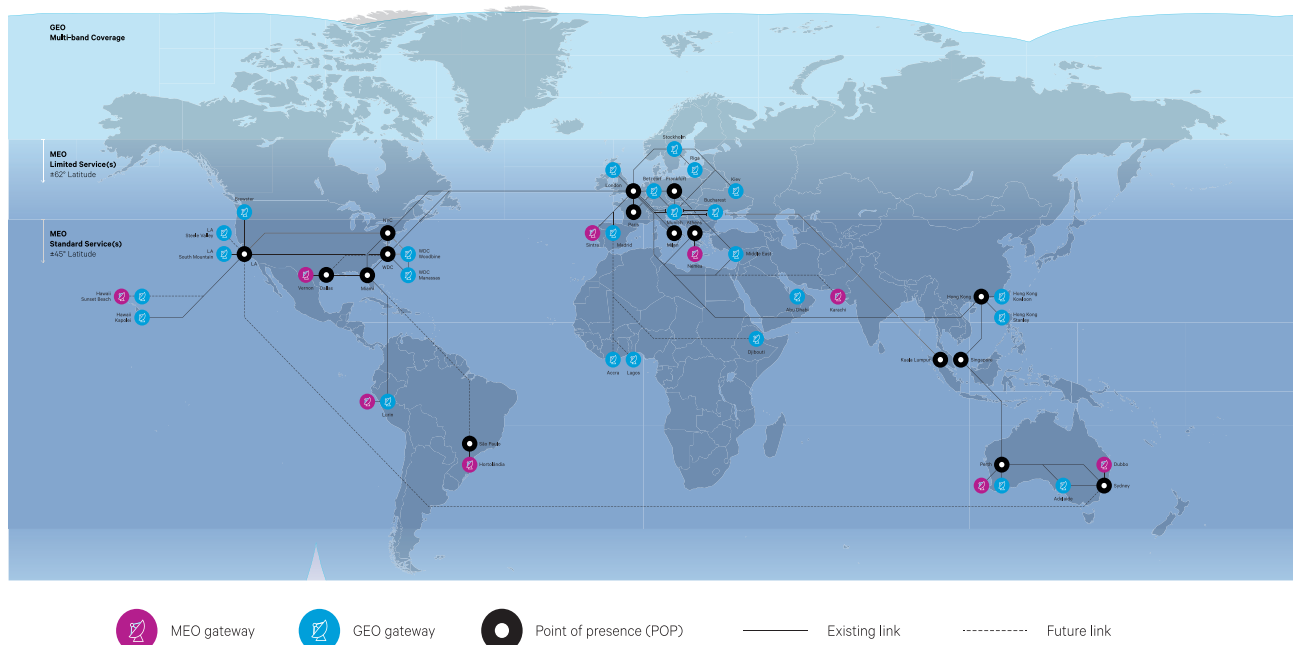
Fully Managed End-to-End

End-users expect to have consistently available, high quality experiences when accessing internet services and content. That's why SES Networks' IP Transit service is fully managed from end-to-end. Connectivity, full lifecycle management and 24x7 NOC support are included in the service, with managed spares as an option. IP Transit also includes analytics capabilities to continually monitor key metrics and proactively identify potential issues.

Topologies

- Single Homed, Single Router, Single Modem as the most affordable option
- Single Homed, Single Router, Dual Modem if more bandwidth is required
- Single Homed, Dual Router, Dual Modem to have higher availability and more bandwidth
- Dual Homed, Dual Router, Dual Modem for high bandwidth mission critical environments

IP Transit Solution Architecture

Ka-Band
MEO Satellite

Local Internet PoP · PoP · SES Networks Gateway · Remote Terminal · PoP · Customer Network

Uplink & Downlink · Uplink · Downlink

IP Transit is a comprehensive, managed connectivity service providing access to content; an IP Transit circuit; low latency, high throughput satellite capacity up to 2Gbps; customer owned equipment, managed by SES; and lifecycle services, all for one monthly fee.

COVERAGE MAP

MEO gateway   GEO gateway   Point of presence (POP)   ———— Existing link   ------ Future link

Learn more about SES Networks' full portfolio of services and solutions.
Website: **ses.com/networks**