

Solution Brief

Flex Performance Elements Product Family

The Flex 100 and Flex 25 are performance elements within the Skylight sensor family. They are available in either 25G or 100G devices.

Common challenges to upgrading CSP networks

Communications service providers (CSPs) continue to upgrade network capacity to meet growing market demand for increased bandwidth and 5G network rollouts. 5G standalone networks open the possibility for service providers to create new types of services based on low-latency network performance. These services demand a scalable and precise performance monitoring solution.

Network bandwidth upgrades require higher link speeds to maximize rack space and simplify operations. During bandwidth upgrades, service providers need to continuously monitor performance to ensure services are not impacted and that there is minimal disruption to existing operations.

Space constraints are another common challenge for service providers that need to upgrade capacity. Data centers and cell sites tend to have minimal space to add new equipment. High-speed monitoring devices are often larger than lower capacity devices, making them potentially difficult to install or requiring lengthy and disruptive maintenance.

High-speed precise and scalable performance monitoring without disruption

Fully integrated with the Skylight performance analytics and orchestrator components, and supporting both active and passive monitoring, Skylight Flex enables service providers to automate provisioning and maximize the performance of their network while gaining complete visibility into how services are performing and how end users are experiencing those services. Additionally, Skylight Flex helps service providers seamlessly upgrade the bandwidth of their services by increasing the port density in their available rack space.

Skylight performance elements, like Flex, are designed to collect performance data L2 (SOAM), L3 (TWAMP), and L4 (flowmeter bandwidth monitoring, SAT), packet capture (flow broker) and also bandwidth and port-level statistics – all continuously, in real time and at high volume.

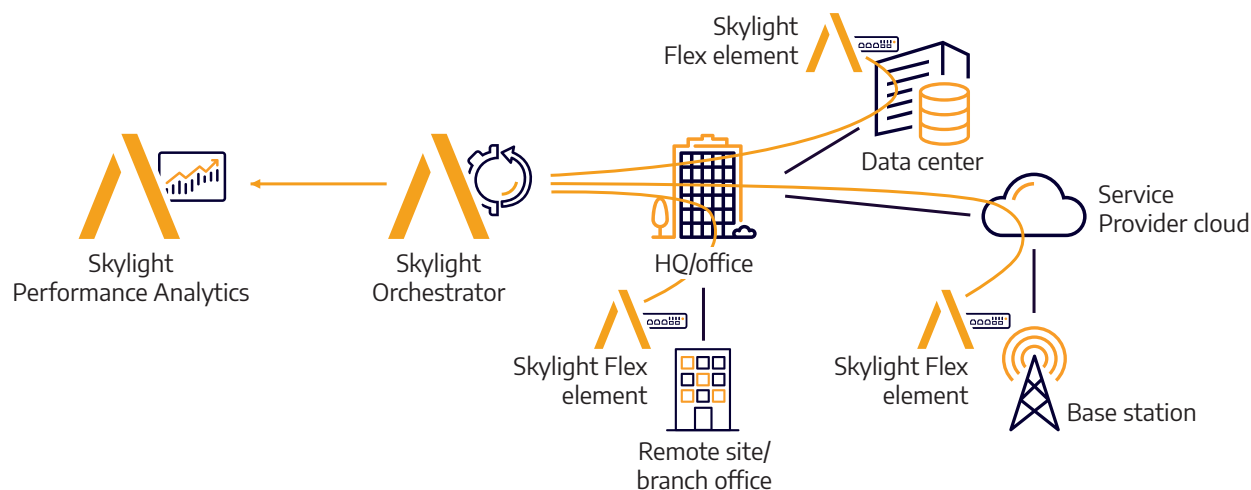
Skylight Flex elements are compact network interface devices (NIDs) that enable full performance and visibility of the network along with controlling that traffic by providing service creation and demarcation, microsecond shaping and full traffic management. Skylight Flex elements are among various other hardware and software sensors available within the Skylight offering.

Skylight Flex benefits

- Small footprint compact form factor: four-port 25GE and 100GE endpoints
- Scalable: supports thousands of concurrent performance monitoring sessions
- Unsurpassed performance visibility: granular performance data with the ability to detect performance issues before and after network changes
- Proven in large global networks: Skylight is used by service providers with hundreds of thousands of endpoints and handles billions of daily performance measurements
- Automated deployment: Skylight orchestrator centrally manages all configurations, as well as intelligent auto-discovery and auto-provisioning of both the Skylight Flex 25 and Flex 100
- 5G-ready: supports the stringent synchronization requirements for 5G networks
- Analytics and machine learning insight: precise and granular metrics are displayed in Skylight performance analytics for enhanced performance troubleshooting insight

Power your evolving network with Skylight Flex

Skylight Flex enables the delivery of services from 25GB up to 100GB and is designed for high-speed demarcation endpoints, Business Ethernet, and service provider hand-off. Skylight Flex also supports the synchronization requirements of 5G networks and services. The service endpoint comes in a compact form-factor that makes it easy to deploy in most environments, even where space is limited. Skylight Flex supports high-bandwidth services and applications with precise and granular monitoring to help service providers meet stringent customer SLAs. Skylight orchestrator automates the Flex element configuration, service provisioning, and testing for fast service turn-up. Flex devices are pre-integrated with Skylight performance analytics for advanced monitoring and troubleshooting capabilities. Additional options for Skylight elements are available in a variety of sizes and port speeds from 1GB to 100GB.



Skylight Flex elements are available in two form factors:

- Skylight Flex 25 is available with AC power supply (25G-AC), DC power supply (25G-DC), or DC power supply-hardened (25G-DC-H)
- Skylight Flex 100 is available with dual AC power supplies (100G-AC-AC), or dual DC power supplies (100G-DC-DC)

About Accedian

Accedian is a leader in performance analytics, cybersecurity threat detection, and end user experience solutions for service providers and mid-to-large size enterprises. The Accedian Skylight platform offers granular end-to-end visibility within “the massive multi” – multi-layer, multi-cloud, and multi-vendor networks. Accedian’s open and scalable platform removes roadblocks to innovation, enabling cloud-native analytics and empowering customers to launch new assured services based on 5G, SD-WAN and edge technologies. Power your future with secure network performance. To learn more, visit [acedian.com](https://www.acedian.com).