



DATA MADE SCALABLE

GCX MANAGED LAN

MANAGED
LAN

By integrating LAN and WAN technology solutions together, GCX's customers benefit from simplified management of their LAN and WAN network devices. This includes automated application of device configurations and the ability to apply security policies that are compliant with both LAN and WAN solutions. This integration enhances network efficiency, unifies the security posture and improves end user performance.

GCX MANAGED LAN SERVICES AIM TO OVERCOME THE FOLLOWING BUSINESS CHALLENGES :

The process of designing, selecting, procuring, and supporting LAN solutions can be quite complex. GCX's professional and consultancy services are available to navigate these complexities, utilising design, planning, project management, and clear communication backed by a diverse array of vendors to deliver the optimal LAN solution. GCX's streamlined technical and commercial management services are designed to deliver a simple user experience by delivering a single technical and commercial solution across different global regions and geographies reducing any technical or support inconsistencies introduced by using different regional teams.

Managing a predictable, available pool of resources poses a perpetual challenge for customers, and GCX addresses this by tapping into established global vendor relationships and a skilled engineering and operations team. This ensures the right resources are available for the intended result. Additionally, GCX's solution streamlines inventory management, warehouse operations, and hardware lifecycle management including tracking annual maintenance contracts, to deliver a set of powerful controls over global resources and assets.

GCX OFFERS THE LAN SOLUTION IN 2 VARIANTS:

- **Wired LAN:**
A range of high-performance managed LAN switches, available in either layer 2 or layer 3 configurations, facilitate the connection of network peripheral devices, including desktops, POS devices, telephony systems, wireless access points, and IoT devices, among other.
- **Wireless LAN:**
This solution includes a range of managed access points scaled for different customer needs. Our wireless solutions focus on security with authentication and encryption techniques for corporate network access and guest Wi-Fi hotspots. The service delivers a complete management and maintenance solution, with security delivered via multiple SSIDs that can be delivered on separate wired VLANs for seamless WAN integration. The Wireless access points operate on 2.4GHz, 5GHz and 6GHz along with high data rate spatial streams.

GCX APPROACH

GCX distinguishes itself by going the extra mile, we propose single solutions that combine both the WAN and LAN. This approach provides simplicity of management via a single vendor ecosystem and ease of use by avoiding split management between separate LAN and WAN suppliers. Further, GCX can deliver single policies seamlessly applicable to both LAN and WAN. Here are some key highlights of our approach:

MANAGED LAN PACKAGES

Our managed LAN packages are based around three separate disciplines for both wired and wireless solutions:

LAN CONSULTANCY

Consultation includes planning and proposal of the solution, detailed site survey stating cable layouts and access point positions within the facility, installation and in-house structured cabling along with implementation of patch panels, data jacks and cables with proper labelling methods.

SERVICE DELIVERY

This package covers the hardware procurement, equipment supply and staging, design topology and installations of the hardware. Standard MACD are part of this component based on change requests. Maintaining project and design document.

SERVICE ASSURANCE

Centred around post-sales support, it involves important operational functions such as device monitoring, incident, problem and service management. Hardware spares management with maintenance is also significant parameter within service assurance component.

BENEFITS OF GCX MANAGED LAN SERVICES:

GCX deploy a centralized dashboard management of the network devices to facilitate automated configuration deployments and software updates. Simplified fault troubleshooting and Lifecycle management. Ease of implementing security policies centrally to multiple locations. Further by using a single vendor ecosystem we reduce different vendor procurement and management difficulties, which further simplify network administration, standardization of hardware implementation and policy enforcement.

BYOD AND IOT CONNECTIONS:

BYOD (Bring Your Own Device) and IoT (Internet of Things) connections are seamlessly supported by our access points delivering convenient, secure management of user-owned devices without the need for additional appliances, licenses, or complicated VLAN setups. Our APs are equipped with layer 7 fingerprinting, which automatically identifies and classifies client devices enabling differentiation between various devices, such as iPads, iPhones and android devices, different operating systems, and even manufacturers. This enables specific policies to be tailored to each device type.

**DATA ANALYTICS AND INSIGHTS:**

Location analytics and heatmaps enable businesses to track and analyse Wi-Fi client devices. This data is exported in real-time to a cloud-based analytics dashboard which presents metrics like user dwell time, repeat visits and capture rate (measuring 'engagement' versus 'passing by'), this delivers actionable insights that enterprises can utilize to further understand client behaviour, predict trends and develop solutions.

SPLASH ACCESS CAPTIVE PORTALS:

Guest Wi-Fi networks are becoming increasingly prominent in retail, healthcare, hospitality, and other consumer-based businesses. Our solution enables secure Wi-Fi networks for visitors. Furthermore, we offer various authentication methods such as IPSK and ambassador-led login to enhance the user experience.

HIGH AVAILABILITY SLA:

The appliances are capable of a high switching capacity and forwarding rate which can be deployed as either stand-alone access switches or operate in a 2-x switch stack setup, ensuring high availability of up to 99.99%. This is backed by a service level agreement that ensures smooth and continual business operations.

FASTER STAGING AND DEPLOYMENT:

With GCX cloud-managed switches and access points, it is not necessary to pre-stage hardware, even for thousands of devices. With our intuitive dashboard, the devices can be integrated in the network via zero touch provisioning. This reduces the amount of time and effort required for staging and deployments.

**WHY CHOOSE GCX?****Proven Expertise:**

Our technical team is highly skilled and solution architects possess extensive experience in designing, implementing, and managing complex network infrastructures.

Professional Services:

We offer end-to-end network solutions, encompassing key aspects such as design, implementation, consulting, and ongoing support.

Reliable Support:

Provide 24/7 technical support, proactive monitoring, and maintenance services.