



Managed Network Services

High Performance Networks
for Businesses

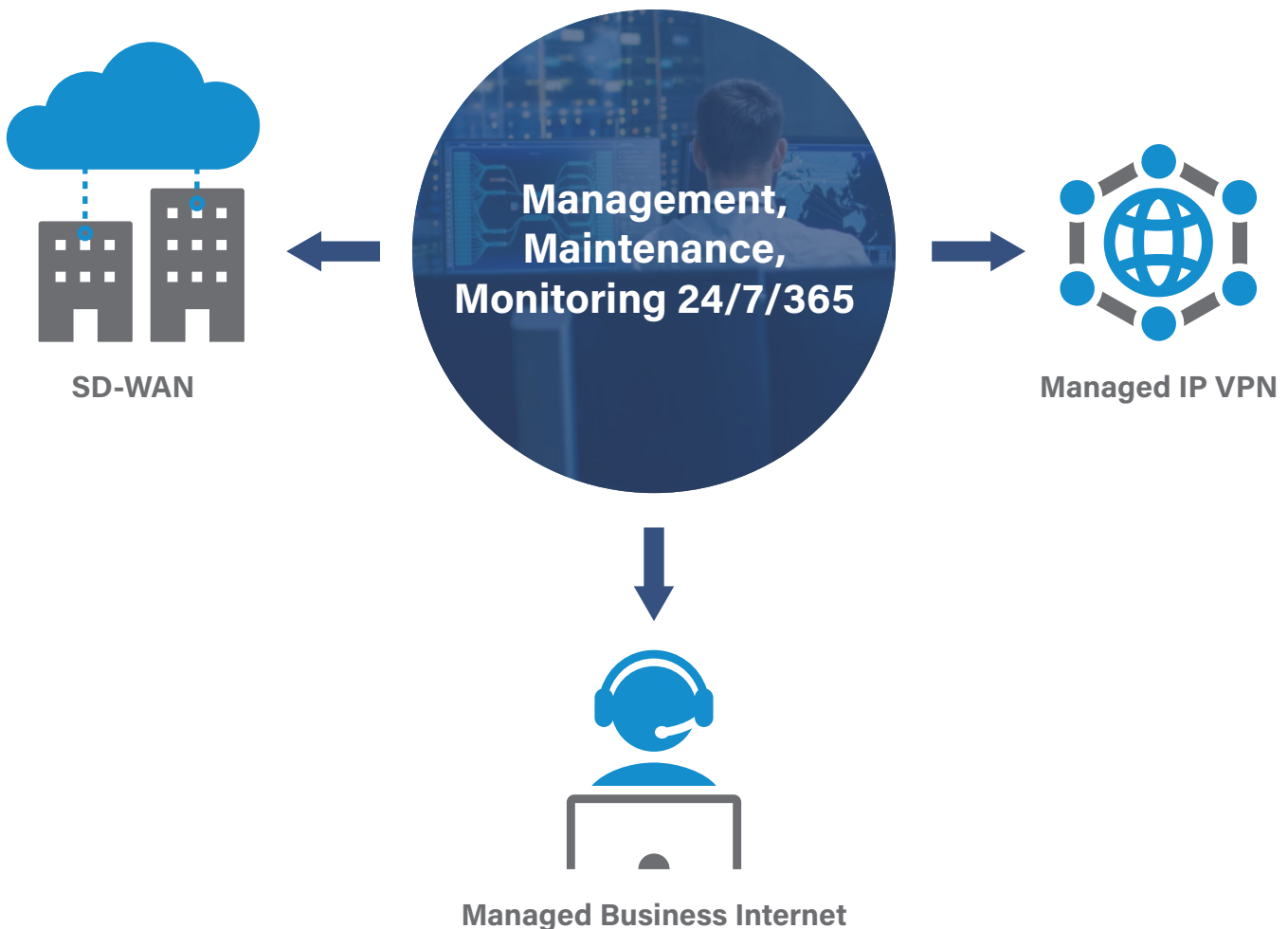
Managed Network Services

Sangoma's Managed Network Services ensures your business networks stay online, all the time. With our network operations team maintaining and monitoring your network and proactively resolving issues 365/24/7, your network will always be optimized for high-performance.

It's managed because our in-house experts do it all, preventing downtime and lost revenue with professional network monitoring and management.

Whether you have 1 or 100 sites, we deliver managed services from basic internet access, to small-scale private networks, to SD-WAN, all backed by our own nationwide, private, PCI/HIPAA compliant backbone. Our team takes care of architecting, implementing, managing and monitoring your network, so you can enjoy high reliability and increased insights.

Sangoma's Cloud & Network Operations Center



What are the benefits?

More Reasons Why Customers Choose Our Managed Network Services:

- ⦿ Unified billing across locations
- ⦿ Service level commitments
- ⦿ Supported by a nationwide, PCI-Certified network
- ⦿ Backup options are available for businesses requiring mission-critical internet access

Accelerate Your Digital Business

Our network solutions are designed to give your users faster access to cloud applications and services, without sacrificing on reliability and security.

Focus On Your Core Business

We design, build, manage and monitor your network, so your IT department can focus on core business priorities.

Reduce Your Network Costs

Sangoma's Managed Network Services leverage low-cost access types, optimizing infrastructure costs and reduce your support costs by letting us fully manage your network, for a cost-effective monthly fee.

Quick to Deploy

Leveraging local access types means you're connected to our services much quicker compared with other proprietary or private networks.

Peace of Mind

We proactively monitor and mitigate internet issues on your network, 24/7/365, from our carrier-class Network Operations Center (NOC).

End-to-End Support

We own and operate every aspect of our managed service infrastructure, so you can rely on true experts in the field, with decades of experience, to manage your network.



A Solution Type For Every Business

One site, 100 sites, remote workers or branch locations?
We can deploy in several ways.



Managed Direct Internet Access

Robust connectivity options, perfect for branch office sites that require basic internet access.

- ◉ We fully manage customer connections and offload maintenance, connection reliability, security and monitoring, to us!



Managed VPN

Small-scale private network perfect for multi-location businesses securing corporate access to remote worker and business partners from trusted/untrusted devices.

- ◉ Similar to traditional private networking, but more nimble and cost effective
- ◉ The service encrypts the customer's connection to our cloud infrastructure, using an IPSEC tunnel



Managed SD-WAN

Large-scale private network perfect for multi-location businesses securing connections between locations.

- ◉ The service consolidates voice, video and data at each location using zero-touch provisioning hardware which connects to our cloud infrastructure for central management, control, monitoring and optimized traffic performance

Our network operations control team monitors and maintains the customers' services to effectively recognize and mitigate circuit issues, including network maps for link health, monitoring flapping and graphical reports for customer circuit at-a-glance.

Simple & Easy Deployment

Select Access Type

Customers choose from a list of locally sourced access types, per location, where we mix and match based on the needs at each location.

	Wireless				
	Broadband (Cable/DSL)	Fiber	4G LTE	5G	Fixed
Speed	3 Mbps -> 1+ Gbps*	10 Mbps -> 1+ Gbps*	Up to 35 Mbps*	Up to 650 Mbps+*	15 Mbps -> 100 Mbps*
Use Case	Branch offices, high speed file transfers, transaction processing	High-Speed Synchronous Connectivity and Data-Intensive Applications	Quick Turn-Ups, Temporary Locations, Unmetered Data at a Flat-Rate	Enterprise branch offices as alternative to Cable/Fiber	Remote locations where only option exists

*Actual speeds and bandwidth will be location dependent

Select Deployment Type

Choose a managed network offering:

Internet Access

VPN

SD-WAN

Let Us Handle the Rest!

Our field technicians deploy managed routers at customer locations and work with our cloud turn-up team to get everything ready to go, including any network switches that may be required.

Add Failover Options To Your Deployments

Avoid costly downtime of network connections with automatic failover to a backup connection using a choice of broadband, fiber, 5G wireless, 4G LTE or fixed wireless!



Seamless

Managed traffic runs over two circuits simultaneously. If one goes down, all traffic will be sent over the remaining circuit, without interruption (excludes real-time traffic).



Stand-by

All managed traffic runs over a primary circuit. A secondary circuit is ready in case you experience a loss in service.



Lossless Failover

For mission critical services, seamless failover to a secondary connection without interruption of real-time traffic, such as voice and video communications.

Our Core Network

Our network utilizes leading edge equipment for protection and routing/switching from Cisco, Juniper and Fortinet. All equipment setup in high availability clusters are in 'carrier hotel' datacenters. You also get all of the following with Sangoma's Network Architecture:

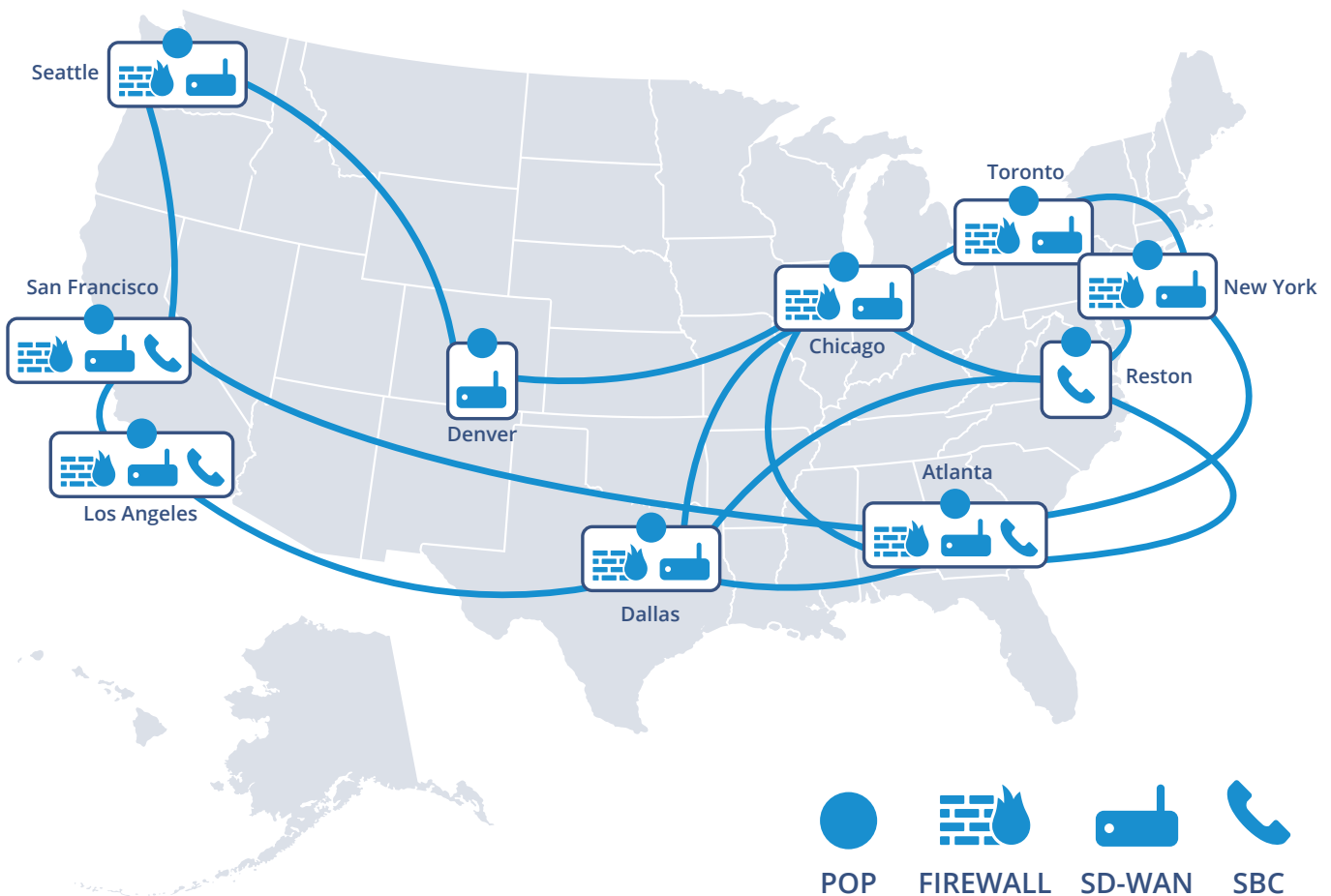
- Carrier Resiliency
- Customer edge and cloud security powered by Fortinet
- SD-WAN powered by vmware
- Peering with the most visited networks
- The latest encryption standards



Nationwide, Private MPLS Backbone

Coast-to-Coast Protection

- 40/100 Gig-enabled, multi-peering points
- Multi geo-diverse SD-WAN gateways
- Multi geo-diverse firewall centers
- PCI-compliant and certified
- Multi-level dynamic QoS
- 34 global SD-WAN gateways



Complete Your Solution

Managed Firewall

Our managed network security delivers comprehensive threat mitigation deployed in the cloud or on-premise, managed by our cloud infrastructure, around the clock!

Wi-Fi Access Points

Our full range of indoor/outdoor Wi-Fi access points deliver reliable and secure wireless connectivity to users. They feature centralized control of local access configurations, such as WIPS security, policy and SSID changes, as well as onboard scanning and mitigating of wireless threats.



Fortinet 221E

Meraki MR28

Meraki MR36

Meraki MR44

Meraki MR76

Usage

General Purpose

Indoor use, medium-density environments

Medium density environments such as offices, schools, hospitals, shops, and hotels

Great for crowded environments with many concurrent connections

Great for medium density environments with outdoor connectivity requirements

Generation

Wi-Fi 5

Wi-Fi 6

Wi-Fi 6

Wi-Fi 6

Wi-Fi 6

Radio Frequencies

2.4 and 5 GHz

2.4 and 5 GHz

2.4 and 5 GHz

2.4 and 5 GHz

2.4 and 5 GHz

Data Rate

1.2 Gbps*

1.5 Gbps*

1.7 Gbps*

3 Gbps*

1.7 Gbps*

*Data rate numbers are an aggregate between all radios on the access point

