

Managed Cellular Internet



Plans from All Major Cellular Networks for National Reach, Responsive Service, and Unmatched Flexibility



What It Is

TPx Managed Cellular Internet brings you options, performance, support, and flexibility to help your business thrive. Internet is essential for business and so many rely only on wired connections, but what about times when a wired solution is compromised, unavailable or takes too long to install? Advances in LTE and 5G cellular networks offer businesses an alternative to fiber, copper, and cable-based broadband connectivity.

Why Your Business Needs It

Cloud services, IoT devices, and increased mobility are driving businesses to move beyond the limitations of traditional wired networks. Organizations need enhanced reach and greater operational flexibility to support modern applications that fuel competitive advantage. Cellular connectivity introduces more diversity, improved network agility, and broader coverage to enterprise networks. By integrating multiple types of network connectivity, businesses can create a more reliable and flexible WAN. TPx's Managed Cellular Internet empowers businesses to extend enterprise-grade network functionality to wherever work is being done—whether that's people, devices, or remote locations.

Benefits

- **National Reach:** Access robust coverage and reliable performance with plans from all three major national carriers—AT&T, T-Mobile, and Verizon—ensuring your business stays connected, no matter where you operate.
- **Responsive, Professional Support:** Our team of networking experts is available to address connectivity issues quickly, ensuring seamless operations and peace of mind.
- **Flexible Plan Options:** From primary connectivity to failover solutions, we tailor plans to your unique requirements, giving you the flexibility to strengthen your network as your business evolves.
- **Fast Install:** Install timelines are quick and painless, especially compared to legacy wired lines.

How It Works

With TPx Managed Cellular Internet, you receive a comprehensive solution designed to deliver a reliable broadband cellular Internet connection to your premises or TPx Datacenter. Our service includes:

Equipment: TPx provides a cellular adapter that supports both 4G LTE and 5G services, ensuring compatibility with modern wireless technologies.

Cellular Plan: Each service comes with an activated 4G LTE or 5G plan tailored to meet your connectivity needs, offering flexibility in performance and data requirements.

Implementation: Our standard deployment services maximize signal strength through expert indoor or outdoor installation, ensuring optimal connectivity performance.

Managed Service: TPx is available 24x7 with expert resources to open and manage trouble tickets for device-related issues affecting availability. Additional proactive alerting, performance management, and visibility are available only when you combine Managed Cellular Internet with a TPx Managed Networking Solution.

Cellular Plans for the Coverage You Need

TPx partners with AT&T, T-Mobile, and Verizon to offer flexible plans that provide robust coverage and reliable performance tailored to your connectivity needs.

	Max Bandwidth	Max Throughput	Data Usage	Throttling	Prioritization	~Latency	Overage Charges
TPx PREMIUM 5G ACCESS PLANS (All Use Cases)							
T-Mobile 5G Cellular Wireless - Premium	Unlimited	Unlimited	Unlimited	No	Std	~35ms	No
AT&T 5G Cellular Wireless - Premium	Unlimited	Unlimited	Unlimited	No	1st 250GB is prioritized	~40ms	No
Verizon 5G Cellular Wireless - Premium	200Mbps down/ 30Mbps up	200Mbps down/ 30Mbps up	Unlimited	No	Std	~30ms	No
TPx STANDARD 5G ACCESS PLANS (All Use Cases)							
T-Mobile 5G Cellular Wireless - Standard	Unlimited	Unlimited	300GB	No	Std	~35ms	After 300GB Data Usage
AT&T 5G Cellular Wireless - Standard	Unlimited	Unlimited	Unlimited	No	Std	~40ms	No
Verizon 5G Cellular Wireless - Standard	100Mbps down/ 20Mbps up	100Mbps down/ 20Mbps Up	Unlimited	No	Std	~30ms	No
TPx 4G LTE ACCESS PLANS							
4G LTE Fixed Wireless - Primary	100Mbps down / 20Mbps Up	100Mbps down / 20Mbps Up	Unlimited	To 5Mbps after 150GB Data Usage	Std	~70ms	No
4G LTE Fixed Wireless - Secondary	100Mbps down / 20Mbps Up	100Mbps down / 20Mbps Up	Unlimited	To 5Mbps after 25GB Data Usage	Std	~70ms	No
4G LTE Fixed Wireless - Failover	100Mbps down / 20Mbps Up	100Mbps down / 20Mbps Up	Unlimited	To 5Mbps after 500GB Data Usage	Std	~70ms	No

Note: Performance estimates are provided by third-party providers and not guaranteed by TPx. Cellular performance may vary due to location, signal strength, and network conditions. "Unlimited" plans are subject to the provider's network technology and management practices.



Optimize Your Service with TPx Expertise

TPx experts help you navigate the complexities of cellular service and customize your connectivity solution to meet your business needs. Our team is here to help you optimize performance and enhance your operational efficiency.

Determine Use Case

Selecting the right cellular solution depends on how your business plans to use it. TPx will configure your plan to match your operational goals for maximum value.

- **Primary Connectivity:** For daily operations, choose high-bandwidth, low-latency plans that deliver reliable performance.
- **Secondary Connectivity:** Add supplementary connections to boost network performance or support additional users during peak demand.
- **Failover Connectivity:** Ensure uninterrupted operations with a backup connection to minimize downtime during outages.

Understanding Performance

Choosing the right cellular solution means understanding key terms and how both 5G and 4G LTE excel in different scenarios.

- **Bandwidth:** Maximum data capacity. 5G handles data-intensive applications, while 4G LTE excels at daily tasks.
- **Data Usage:** The amount of data consumed. 5G enables more efficient handling of large data demands, while 4G LTE offers consistent performance for moderate needs.
- **Throughput:** Actual speeds users experience. 5G ensures faster downloads and streaming, with 4G LTE providing consistent, dependable connectivity.
- **Throttling:** Carriers manage data usage to reduce disruptions during congestion. Plans may include specific data usage throttling.
- **Prioritization:** Major carriers prioritize their own customers' performance and plans may include prioritizing critical app traffic.
- **Latency:** Delay in data travel. 5G's low latency benefits real-time apps, while 4G LTE remains responsive for most tasks.

Know Your Environment

With TPx's guidance, you can optimize your cellular performance by addressing environmental challenges and ensuring your business remains connected. Environmental factors can influence cellular service performance.

- **Obstructions:** Reduce interference by placing equipment in open, unobstructed spaces.
- **Signal Interference:** Avoid competing signals by positioning devices strategically or opting for outdoor installations.
- **Outdoor Installation:** Enhance signal strength with outdoor equipment placement, particularly in areas with weak indoor coverage.

Combine Your Cellular Connectivity with a TPx Managed Networking Solution

As a complete network provider, TPx's Managed Networking and Cybersecurity services enhance your Internet connectivity for better performance and protection. Extend TPx services into your LAN for business-grade performance, security, and visibility into connected users, devices, and applications. Minimize downtime with remote troubleshooting tools and expert support. Together, these services create a comprehensive networking solution.



Basic Monitoring

Monitor TPx-provided internet for uptime

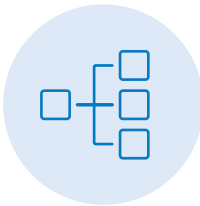
- Monitoring, Alerting, and response for Device and Circuit availability
- 4G Wireless provides failover connectivity as an add-on service



Managed SD-WAN and Firewalls

Optimize for app performance & security

- Path /service-based routing
- Site-to-site connectivity
- Bandwidth aggregation & traffic management
- Leading Firewall & Security Features
- High Availability Options



Managed LAN

Reliable physical connectivity

- High availability alerting
- Power management
- Layer 3 switching
- Port isolation & security
- QoS for voice & video
- Remote maintenance



Managed Wi-Fi Access Points

Reliable wireless connectivity

- Branch & Campus Deployments
- Wi-Fi 6, 6E, 7 capable access points
- Web content filtering
- Bandwidth scheduling
- Per-user traffic shaping
- Wireless intrusion prevention
- Interference detection