

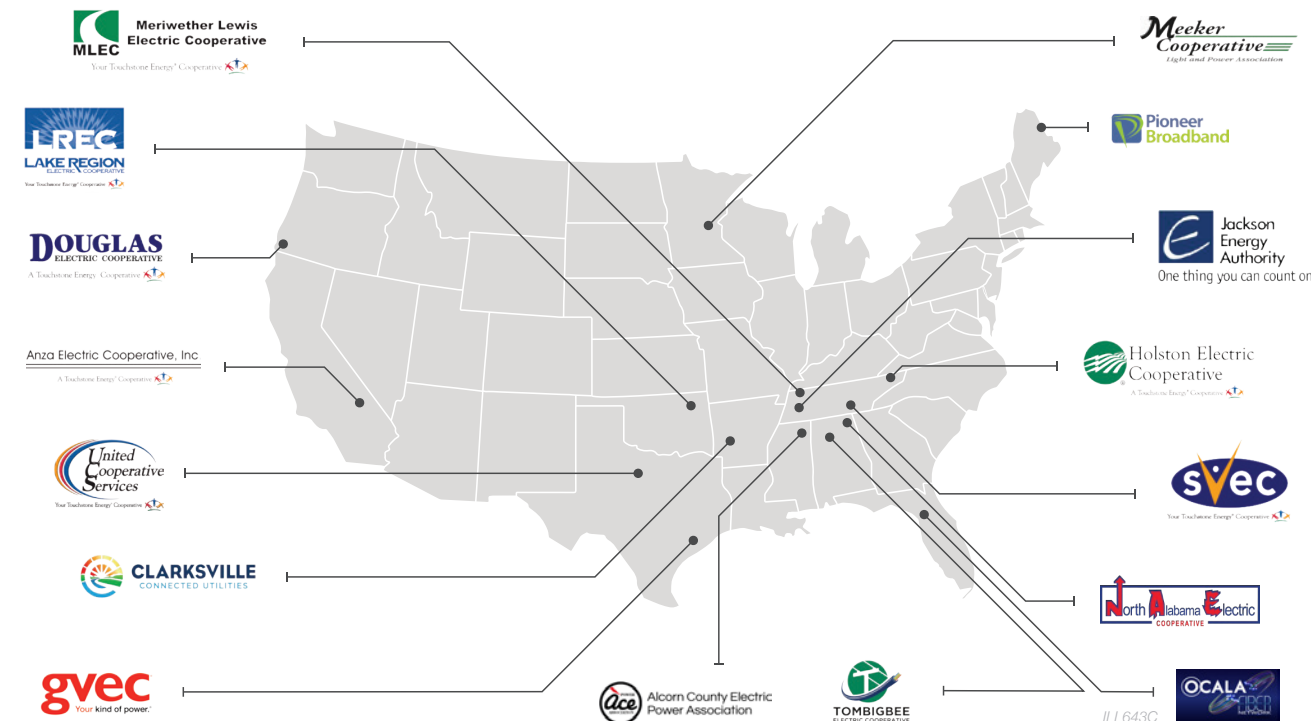
Fiber Broadband. The Way It Should Be.

Total Access 5000 Series

ADTRAN[®]

Enabling Communities, Connecting Lives

Fiber broadband transforms communities, rebuilds urban centers, revitalizes schools, enhances power grid reliability, stimulates economic growth, and improves the quality of life.



Education



Retail Services



Civic Life



Connected Homes



Improved Healthcare



Business & Job Growth

Advancing the Gigabit Society

Turnkey solutions enabling the rapid deployment of a high-capacity, simple to operate and maintain fiber infrastructure, delivering greater Return on Investment (ROI), assured customer loyalty, and elevated brand equity.

Accelerating Project Goals



ADTRAN Global Services and Support

Benefits



Unique Approach: Delivering turnkey services paired with a pre-tested, pre-integrated solution; delivers low total cost of ownership and rapid time to market.



Unmatched Domain Expertise: Established, secure access vendor with unmatched outside plant experience.



Innovative Platforms: Complete gigabit broadband portfolio spanning access, transport, connected home, and business.



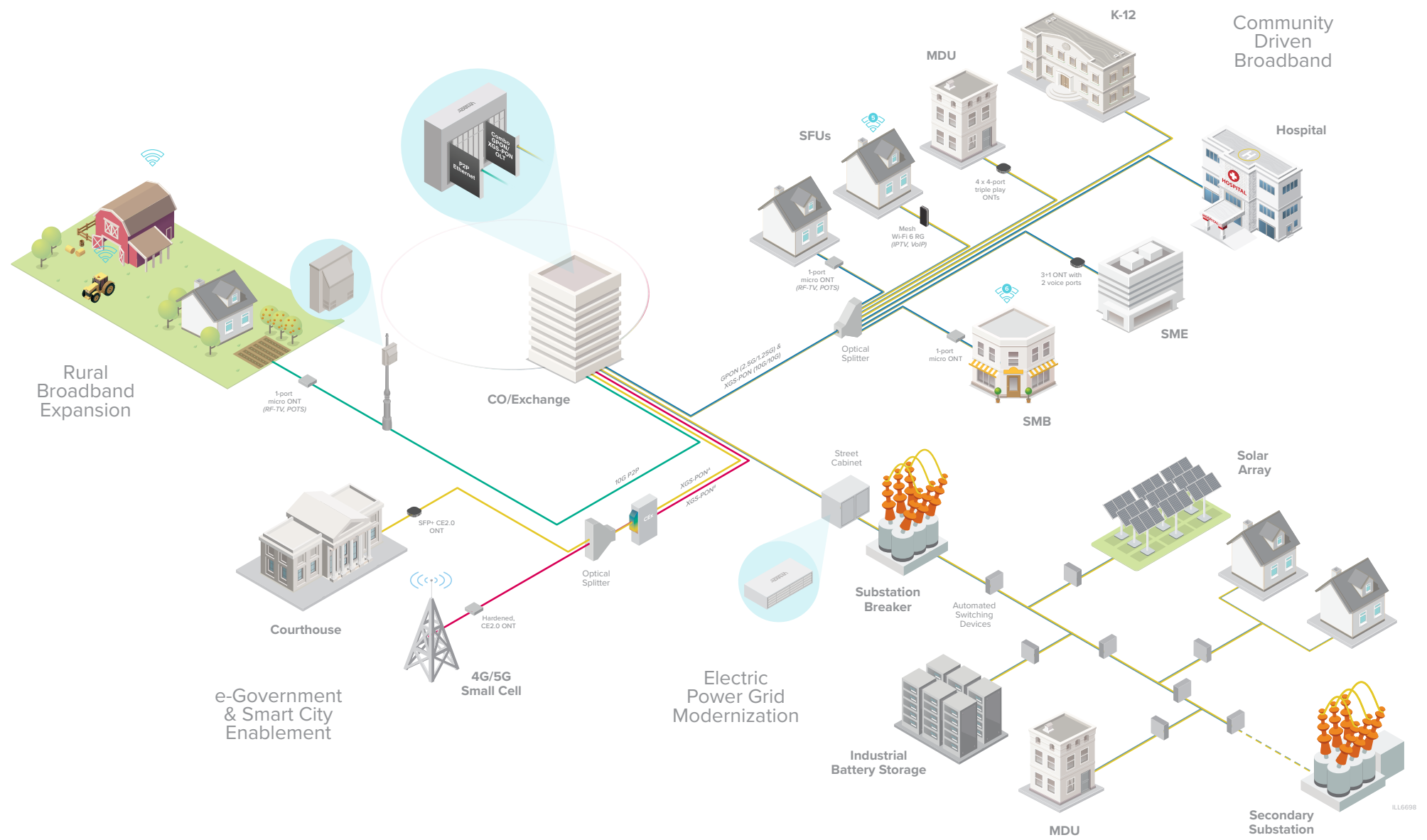
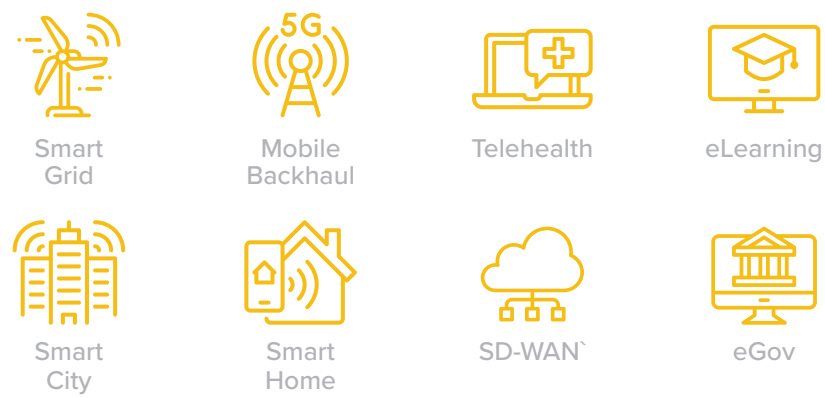
Made in America: American innovation delivered via a secure, robust supply chain and backed by broad regional coverage and support.

Proven Experience

- 500+ service providers
- 1000+ gigabit communities
- 100M+ broadband subscribers
- 700M+ managed devices





Getting the Most Out of Your Network

Modern network architectures and advanced fiber access technologies provide the network capacity and flexibility required to support the full range of community use cases.



ADTRAN Total Access 5000
Market-leading fiber access platform simplifies multigigabit services delivery regardless of density, topology, or application needs.

Benefits

-  **Faster Time to Revenue:**
Within weeks with rapid service creation and turn-up
-  **Greater ROI:**
Access, aggregation, and transport in an integrated system; Combo PON
-  **Future-Proofed:**
100GigE capable, 25/50G PON and SDN/NFV-ready
-  **Reduced OpEx:**
Simplified training, cabling, sparring, and commissioning

Platform Leadership

- Most deployed (>60,000 nodes)
- Highest density (>60,000 subs/rack)
- Most network topologies (star, ring, and chain)
- First commercial XGS-PON network (2017)
- Most fiber technologies (> 7 PON and Active Ethernet variants)

Elevating Brand Equity

Ensuring customer loyalty via best-of-breed network control, insight, and cloud services resulting in the monetization of a simple, intuitive consumer experience.



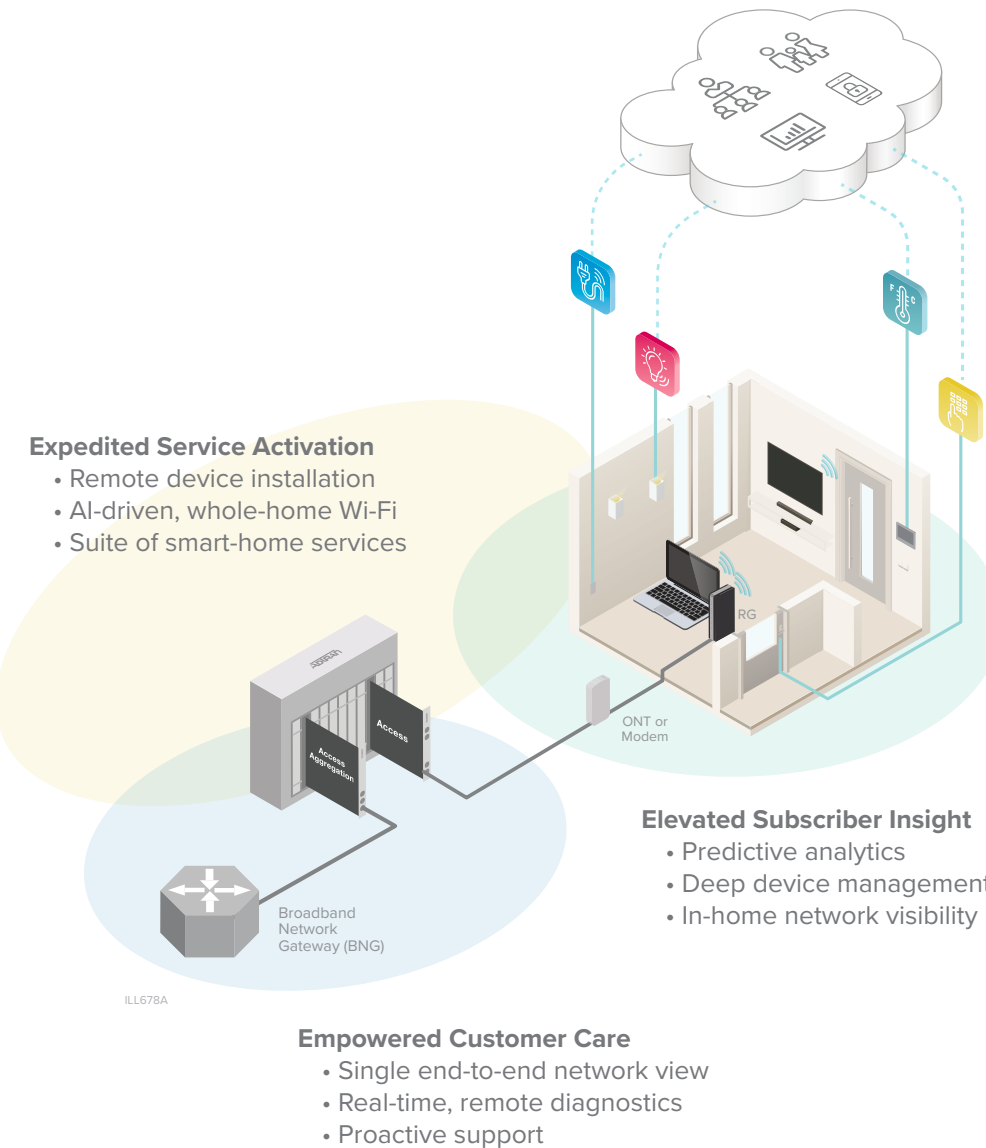
Speed Service Monetization



Simplify Customer Support



Safeguard Customer Loyalty



ILL678A

Modernizing Network Control and Orchestration

Eliminate IT complexity and simplify operations with a modern, automated, self-healing network resulting in increased profitability and improved ROI..

Benefits



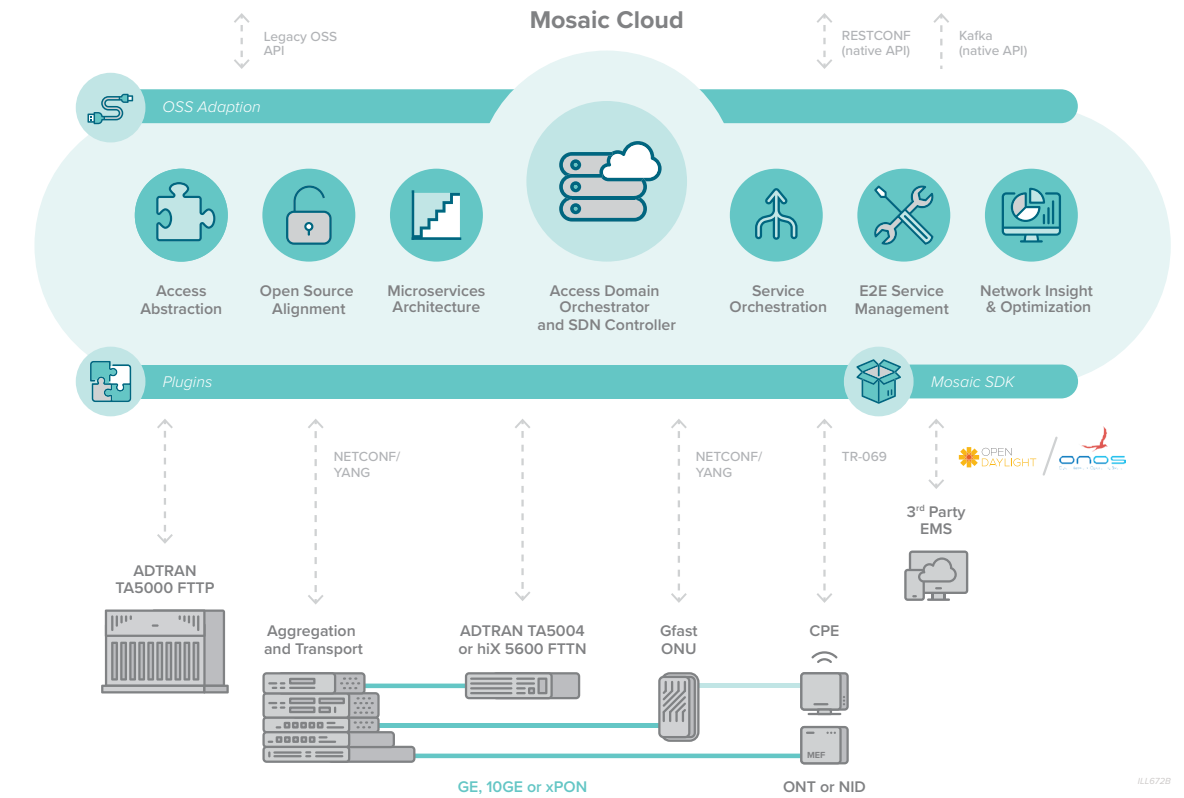
Reduce Time to Revenue: Single, unified, multi-vendor Software-as-a-Service platform



Streamline Service Delivery: Streamlined and automated service delivery across both ADTRAN and third-party network elements



Expand Network Capability: Increased network automation, intelligence, and optimization



ILL672B

Maximizing Network Agility

Unique integrated transport capabilities afford market and service expansion opportunities while reducing total cost of network ownership.

ADTRAN Optical Networking Edge (ONE) Benefits



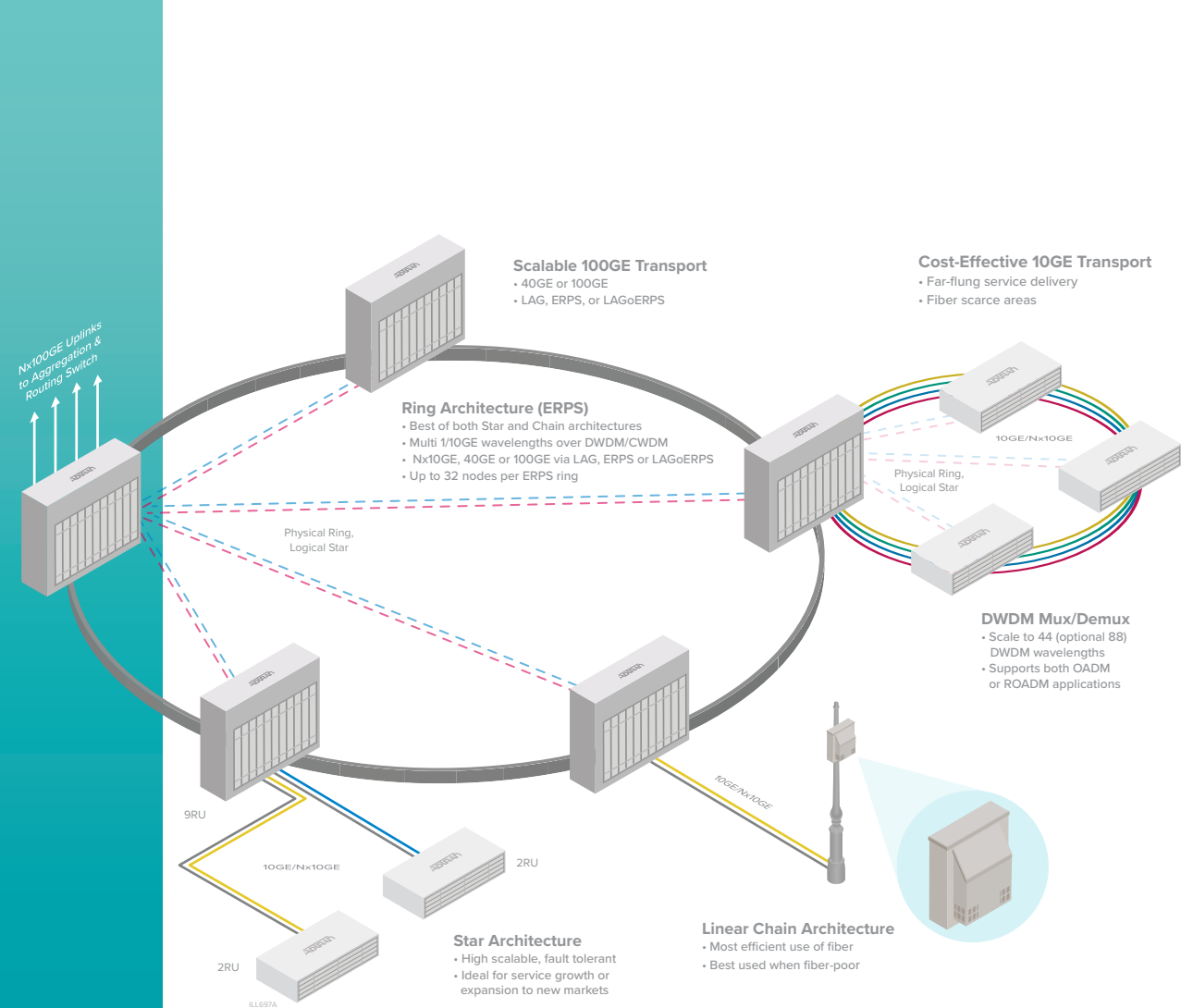
Extend Gigabit Services Scalability



Expand Multiservice Capacity

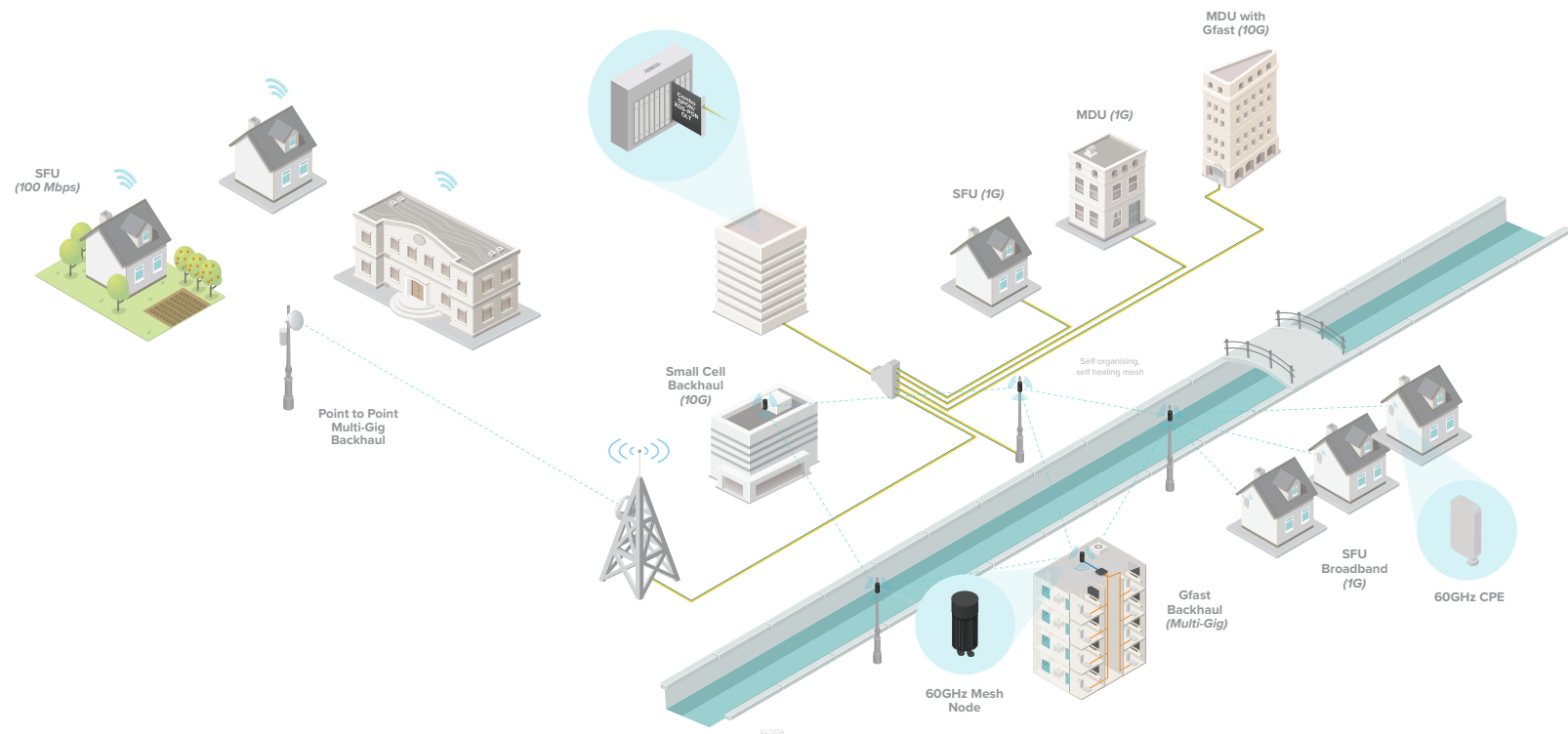


Enhance Network Resiliency



Expanding Your Market Reach

Maximize your fiber deployments leveraging gigabit extension solutions to connect urban or rural underserved markets rapidly, and jump-start smart city applications.



Benefits



MDU Capture and Public Safety: Gigabit Gfast; license-free 60 GHz



Rural Broadband Expansion: Point-to-point gigabit backhaul and access; CBRS/LTE



4G and 5G Densification: Small-cell back and mid-haul via mesh 60GHz and 80GHz mmWave

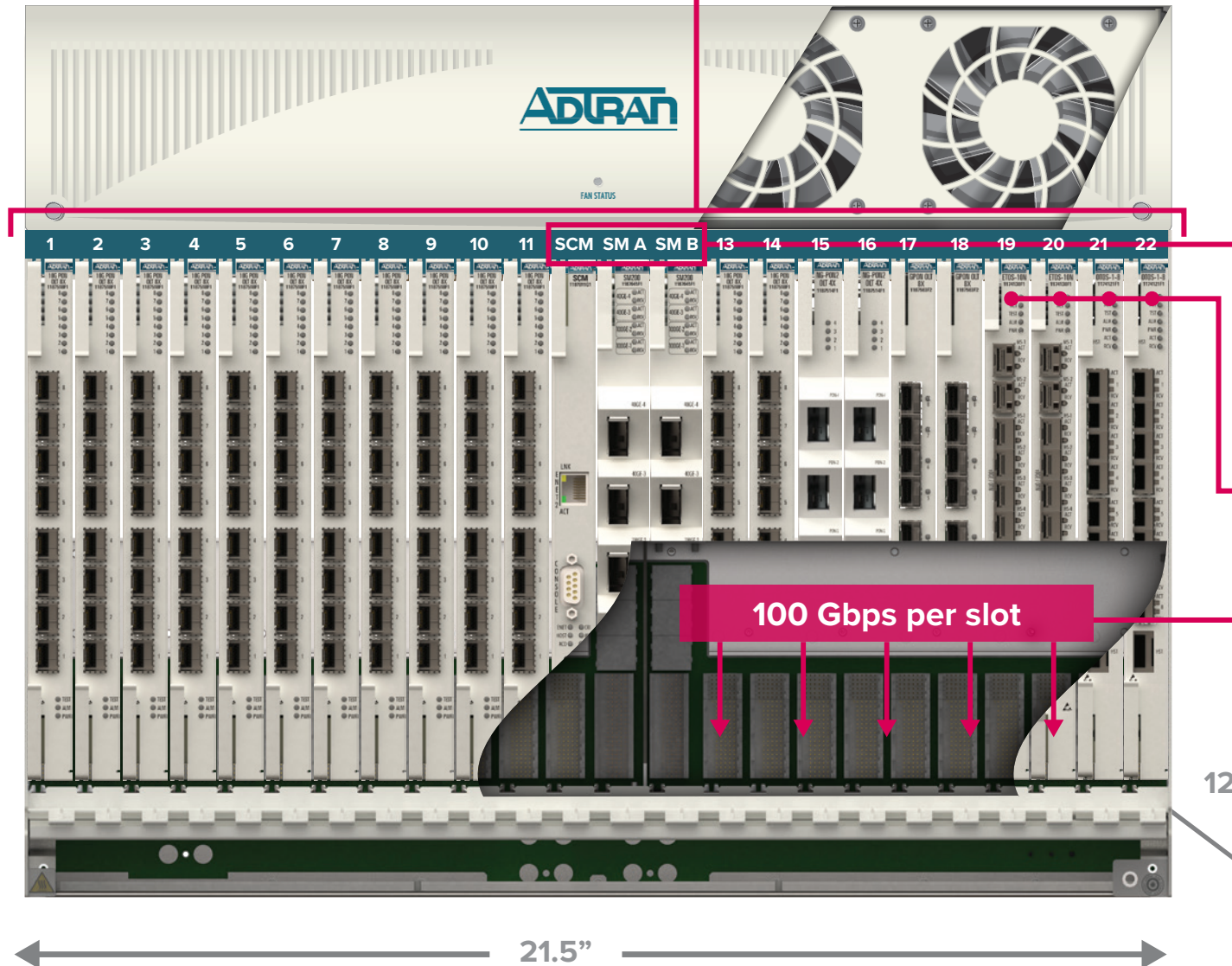
Platform for the Future

A highly extensible platform providing a non-blocking multi-terabit architecture supported by resilient 100GE network interfaces.

Leadership

- Most deployed (>60,000 nodes)
- Highest port density (>60,000 homes/rack)
- Most fiber access services (>7 PON and Active Ethernet variants)

15.75"
9RU



ILL675A

Access Modules (AM)

- 21 Access Slots
- Temperature Hardened
- Any Slot, Any Module, Any Chassis
- Combo PON technology

Common Modules

- Switch Modules (SM)
 - Redundant
 - 40GE and 100GE Ports
- System Control Module (SCM)

Integrated Transport

- Packet Optical

IP/Ethernet Core

- Multi-Terabit Backplane
- Non-blocking Architecture
- 40G or 100G Switching Option

Redundancy

- Power, Ports, PON
- Fans

Multi-Service Access Platform

FTTH/FTTP	GPON, XGS-PON, Combo PON, XG-PON1, NG-PON2, P2P Active Ethernet (AE)
Carrier Ethernet	Ethernet-over-Optical
Voice	VoIP
Video	IPTV

Chassis Options

	Size in Rack Units (RU)	# Module Slots	Subs/chassis
High-Density	9	21	21,504
Compact	2	4	4,096

Remote Deployment Options

Cabinet Series	Max Ports Supports (fiber)	Max Volume (cubic feet)
SmaRT	288	28
Crossover	192	15
Micro Cabinet	16	3



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