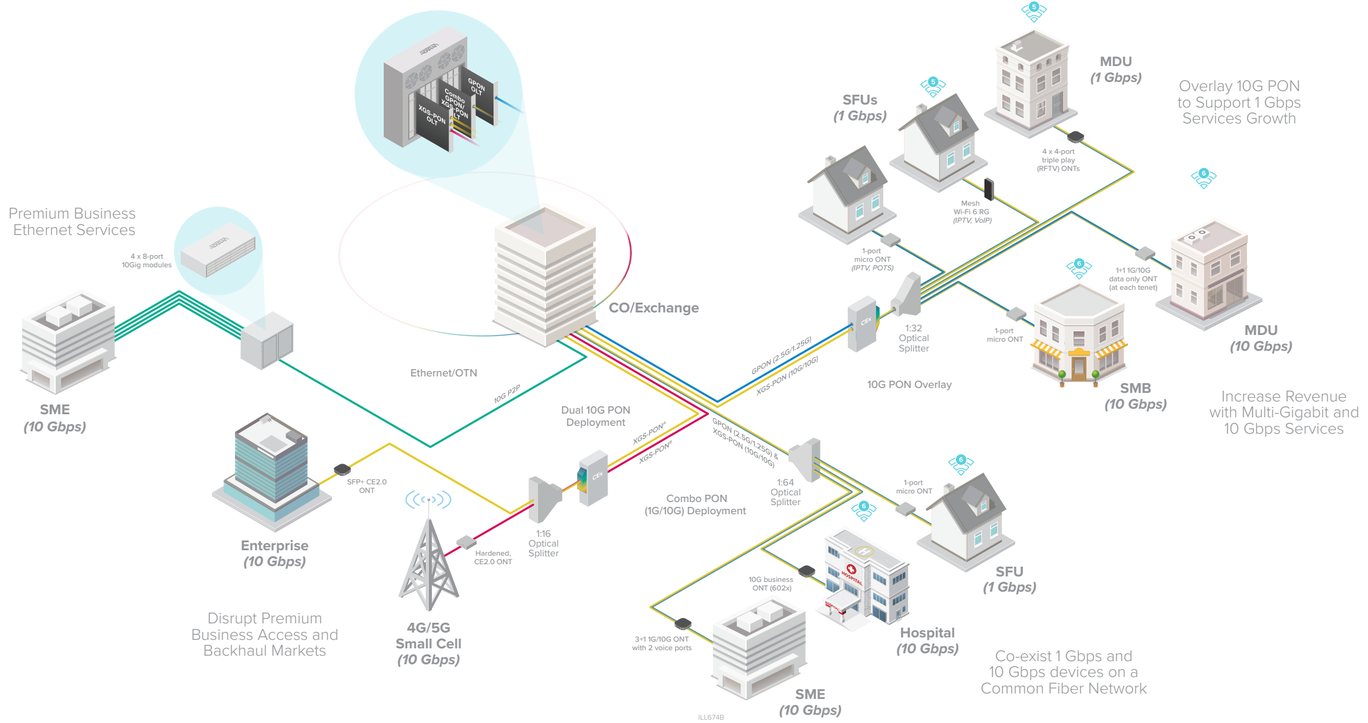
Fiber Broadband.
The Way It Should Be.

Total Access 5000 Series

ADTRAN®

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 residential, business and community use cases.



Total Access 5000

Market-leading fiber access platform simplifies multi-gigabit services delivery regardless of density, topology, or application needs.

Benefits

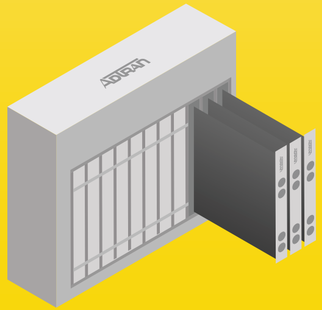
- **Faster time to market:** **Within weeks with rapid** services creation and turnup
- **Greater ROI:** Access, aggregation, and transport in an integrated system; Combo PON
- **Future-proofed:** 100GE capable, 25/50G PON and SDN/NFV ready
- **Reduced OpEx:** Simplified training, cabling, sparing, and commissioning

Platform Leadership

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

Maximize Network Agility

As core routing and fiber access capabilities are upgraded, metro transport and provider edge networks can become the new bottleneck.



- Ethernet
- OTN
- DWDM
- ROADM

Right-Sized, Integrated Packet Optical

Recognizing the opportunity to leverage packet optical innovations, ADTRAN amplified operator value repurposing and right-sizing this technology to redefine broadband access, blurring the network boundaries between access and transport to create the optical networking edge (ONE).

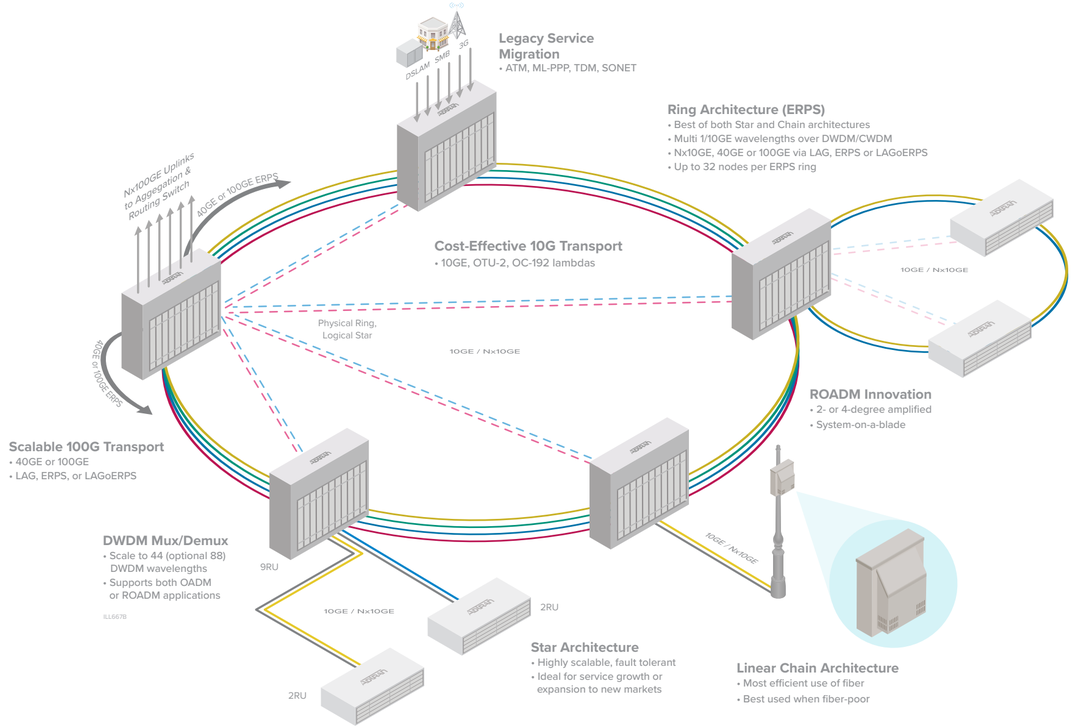
Benefits

Extend Gigabit Services Scalability:
Terabit Switching, DWDM, 100GE Uplinks

Expand Multiservice Capability:
Ethernet, OTN, ROADM

Enhance Network Resiliency:
50ms failover, link aggregation and ERPS rings

Migrate Legacy Platforms:
SONET/SDH, DSLAM, 3G, SMB

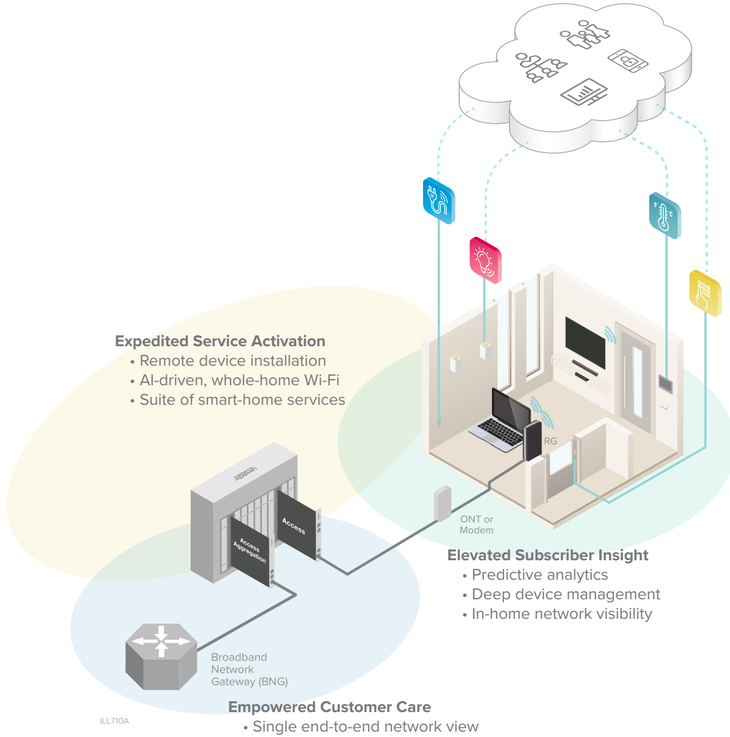


Elevate Brand Equity

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

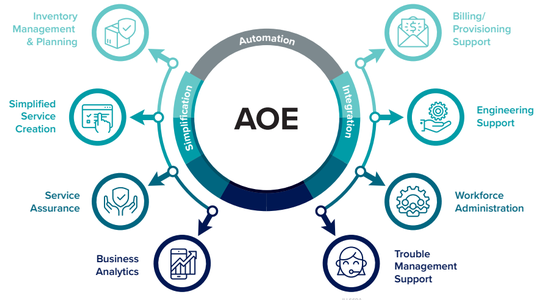
Benefits

- Speed Service Adoption
- Simplify Customer Support
- Safeguard Customer Loyalty



End to End Service Management

Transform the traditional operational environment from equipment configuration and provisioning to a service-oriented approach that aligns with the service providers' drive toward software-defined access (SD-Access) networks.



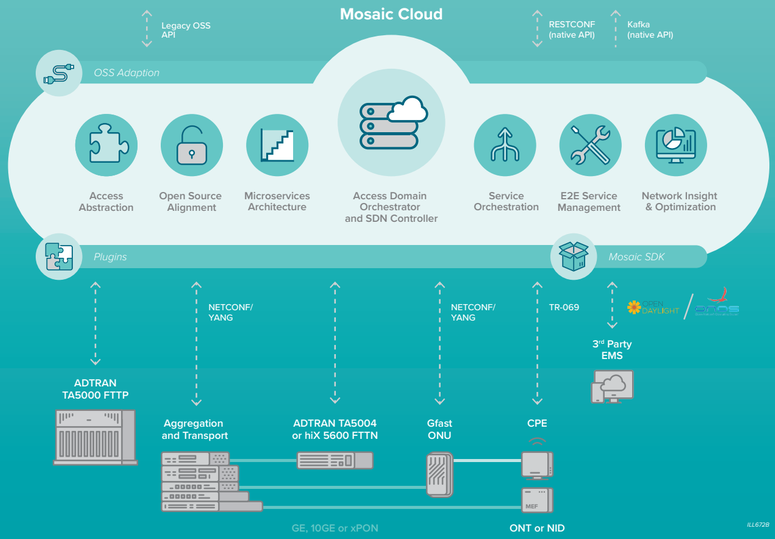
ADTRAN Operating Environment (AOE)

Simplifying operations like network planning, capacity management, service activation and assurance, providing secure, end-to-end service management.

- Comprehensive service management system
- "Zero-touch" residential FTTP service turn-up
- Advanced service design
- Automated maintenance and upgrades
- Robust XLM interface to northbound systems simplifies integration with OSS/BSS

Modernize Access Control and Orchestration

Deploy a robust management infrastructure today adaptable to architectural evolutions, leveraging datacenter scale and agility.



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

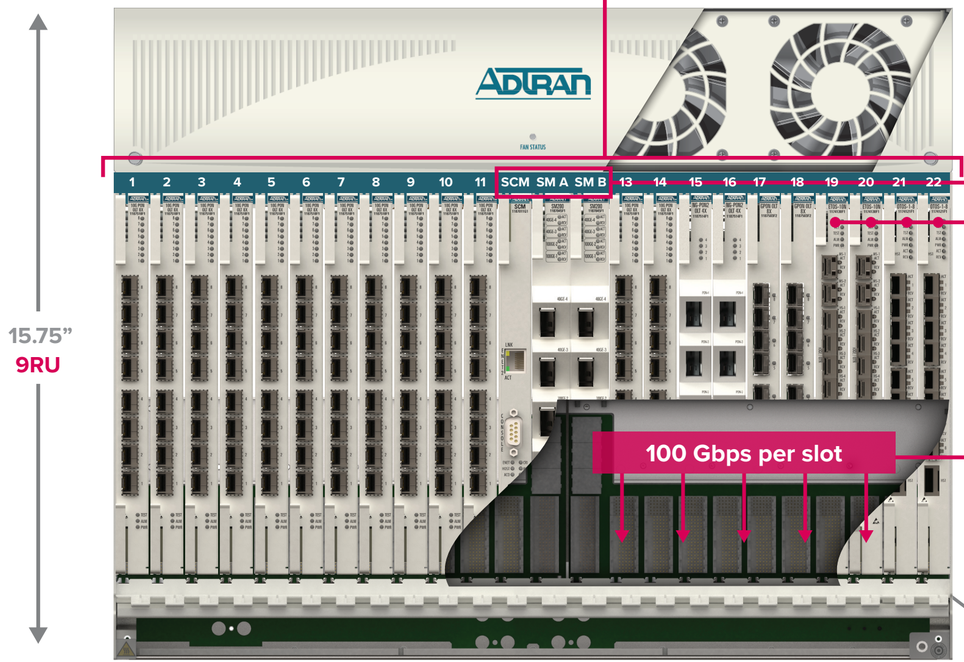
Expand Network Capability:
Increased network automation, intelligence, and optimization

Platform for the Future

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

Leadership

- Market proven (>1,000 gigabit communities)
- Highest density (>60,000 subs/rack)
- Most deployed (>60,000 nodes)
- Most Fiber Access Services (>7 PON and ActiveE variants).



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, XGPON1, NG-PON2, P2P Active Ethernet (AE)
xDSL	ADSL2, VDSL, Vectored VDSL2 17a, 35b
Carrier Ethernet	Ethernet-over-Optical, Bonded DS3, DS1, G.SHDSL, and DMT
Voice	POTS (GR-303) or VoIP
Video	IPTV or RFTV

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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ADTRAN Certified Supplier
ISO 9001
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TL 9000

TL9000
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