ADTRAN®

End-to-End

Fiber Broadband Solutions

For over 35 years, ADTRAN has partnered with service providers to build best-in-class access networks and world-class operations that scale to meet the needs of both today and tomorrow.

ADTRAN offers the industry's most comprehensive end-to-end fiber broadband solution that enables you to deliver amazing broadband experiences, build your brand and monetize your fiber investments.

Fiber Access
Innovative next-gen FTTH platforms that simplify multi-gigabit service delivery reducing time to market and increasing the addressable market.

Fiber Extension
Speed broadband coverage into hard-to-reach urban and rural locations with the broadest portfolio of gigabit fiber extension solutions.

Connected Home
Suite of next-gen, cloud-managed, adaptive mesh Wi-Fi solutions that extend the gigabit experience throughout the home.

Intelligent SaaS
Network monetization tools purpose-built for marketing, customer success, and operations teams to build a following of passionately loyal customers.

Global Services
Comprehensive services to speed time-to-market, maximize network performance and transform your vision to reality.

Build for the Future with Multi-gigabit Fiber Access

Industry-leading portfolio of integrated, disaggregated, and remote fiber access solutions that are purpose-built to deliver and scale multi-gigabit broadband connectivity leveraging energy-efficient PON technologies. With ADTRAN's portfolio of multi-gigabit fiber access solutions, you can:

- **Deliver Gigabit Broadband:** Speed customer acquisition and time-to-revenue with cost-effective GPON-based residential gigabit services.

- **Scale Gigabit Broadband:** Simplify and reduce the risk your move to XGS-PON with innovative Combo PON technology to differentiate your service offering, grow ARPU and gain market share.

- **Maximize ROI:** Maximize the return on your fiber investment by supporting a full range of residential, municipal, enterprise, 5G backhaul, and rural broadband applications.

GPON and XGS-PON OLTs
Flexible, market proven, greater ROI

- 50% Lower CapEx
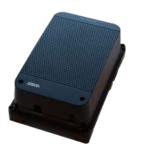- 20% More Gigabit Service Coverage
- 25% Longer Network Lifespan
- Future-proofed — 50G PON-ready

Fiber to the Building — Gfast
Gigabit services over copper or coax

Gigabit Delivery over Wireless
CBRS/Sub-6GHz and 60 GHz mmW mesh

**Green Solution —
80% Lower Power
Consumption per
Gigabit Connection**

**3x Reach — Gigabit
Services up to 1/3 of
a mile (600m)**

**2x Capacity — Node
Capacity 15+ Gbps**

**< 15-Minute Install —
Intilligent, Self-organizing, and
Self-healing Mesh mmWave**

Accelerate Rollout with Fiber Extension Technologies

Offer rapidly deployable, reliable connectivity in underserved, dense urban and rural markets at a comparable or lower price than fiber with ADTRAN's gigabit-capable fixed wireless solutions. ADTRAN's solutions enable:

- **MDU Capture and Public Safety:** Expand fiber connectivity and Gigabit service coverage in dense urban areas with mesh mmWave backhaul and access.

- **Rural Broadband Expansion:** Speed broadband expansion in remote or rural locations with mmWave and CBRS fixed-wireless solutions combined with existing fiber.

- **4G and 5G Densification:** Multi-gigabit mmWave mesh fixed-wireless backhaul and access solutions speed 5G densification and offer faster ROI.

Extend the Gigabit Experience Throughout the Multi-user Home

Deliver a robust, responsive Wi-Fi multi-gigabit connection to more devices simultaneously. Own the entire broadband experience to ensure an amazing broadband experience while also reclaiming additional monthly revenue that is often forfeited to third-party Wi-Fi companies. ADTRAN micro-ONTs and Service Delivery Gateways allow you to:

- **Ensure a robust experience** with an AI-driven, adaptive mesh Wi-Fi solution eliminating costly truck rolls and a significant portion of your customer care calls.

- **Deliver multi-gigabit performance** by offering the most advanced Wi-Fi solution supporting next-gen technologies OFDMA, MIMO, tri-band radios, and advanced processors.

- **Deploy best-of-breed solutions** via OpenSync™ integration. As a result, you can curate, deliver and manage new differenti-ated smart home applications and devices.

- **Deliver more value to your customers** with a suite of smart-home services, including parental controls and home security, increasing ARPU and lifetime customer value.

GPON and XGS-PON ONTs
Indoor, outdoor, pluggable

Cloud-managed, Adaptive Wi-Fi
Multiple WAN options, Mesh Wi-Fi 6

Reduce Call Time by 4 minutes

Increase Monthy ARPU by $10/sub
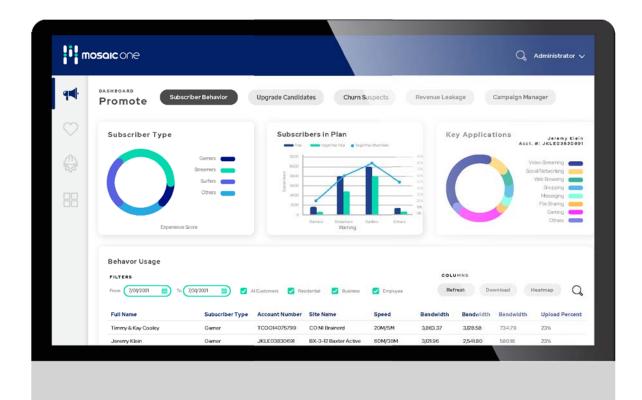
Self-Install Savings — $150

Gain Passionately Loyal Customers

Optimize your business, elevate your brand via actionable intelligence drawn from subscriber insights and end-to-end network visibility. Leverage cloud-delivered, Software-as-a-Service (SaaS) applications that are purpose-built for marketing, customer success and operations teams. With ADTRAN Mosaic One you can:

- **Boost ARPU and minimize churn** by precisely targeting subscribers with the right offers at the right time via the right channel.
- **Proactively address network issues,** increase network capacity and minimize costly truck-rolls with plug-and-play installs and AI-driven network automation.
- **Trouble-shoot customer issues** with end-to-end network and subscriber device visibility, enhancing customer experience and Net Promoter Scores (NPS).

mosaic one

- **20% Higher Monthly ARPU**
- **36 Point Increase in NPS**
- **27% Lower Churn**
- **67% Reduced Truck Rolls**

Build Your Best Network

Maximize your network investments with ADTRAN turnkey services to help you plan, build and extend your fiber access or fiber extension network. We provide the services and capacity to make deployments simpler, allowing you to generate revenue faster. Our services include:

- **Industry-Leading Engineering:** Streamlines network deployments from design to execution
- **Seamless Project Management:** Orchestrate resources and project data while seamlessly connecting team members and partners to the information they need.
- **Dedicated Logistics Team:** Ensures materials for your network build arrive at the right location and on time.
- **Installation, Test, and Turn-up:** An expert team that ensures efficient and effective network installation, with the capacity for future growth.

75,000+ Network Implementation Projects

600+ Services Professionals

175+ Services Partners Globally

Your Network with ADTRAN's Fiber Broadband Solution.

Industry's most comprehensive end-to-end solution

Network Insight and Optimization
Cloud-delivered SaaS applications to manage all network operations and subscriber experiences, saving time, and delivering exceptional subscriber experiences.

mosaic one

Residential Gateways
Wi-Fi6 enabled gateways deliver consistent, high-speed performance in congested networks.

MDU Gfast (10G)

Fiber Access OLTs (GPON/XGS-PON)
Market-leading fiber access solutions simplify delivery of gigabit to homes, businesses and infrastructure backhaul.
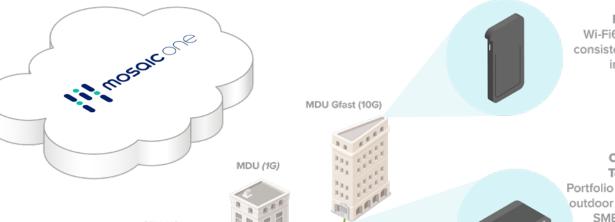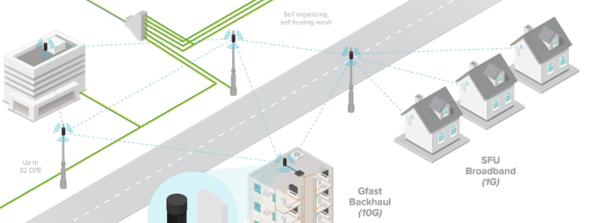
MDU *(1G)*

Optical Network Terminals (ONTs)
Portfolio of 1-10Gbps indoor and outdoor ONTs for SFUs, MDUs, SMBs and enterprises.

SFU *(1G)*

Remote OLT (Microcabinet)
Purpose-built, weather-hardened rural broadband access solution for low-density deployments.

Self organising, self healing mesh

Up to 32 CPE

Gfast Backhaul (10G)

SFU Broadband *(1G)*

CBRS/LTE Fixed Wireless
High-capacity (up to 3Gbps) integrated CBRS/LTE nodes for backhaul, rural broadband and Private LTE networks.

60GHz mmWave Fixed Wireless
Multi-gigabit mesh mmWave self-organizing, self-healing fixed wireless access and backhaul solution.

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