

## Wires Make Fiber *and* Broadband Better

**Wires deliver premium broadband coverage and quality of service experiences customers expect.**

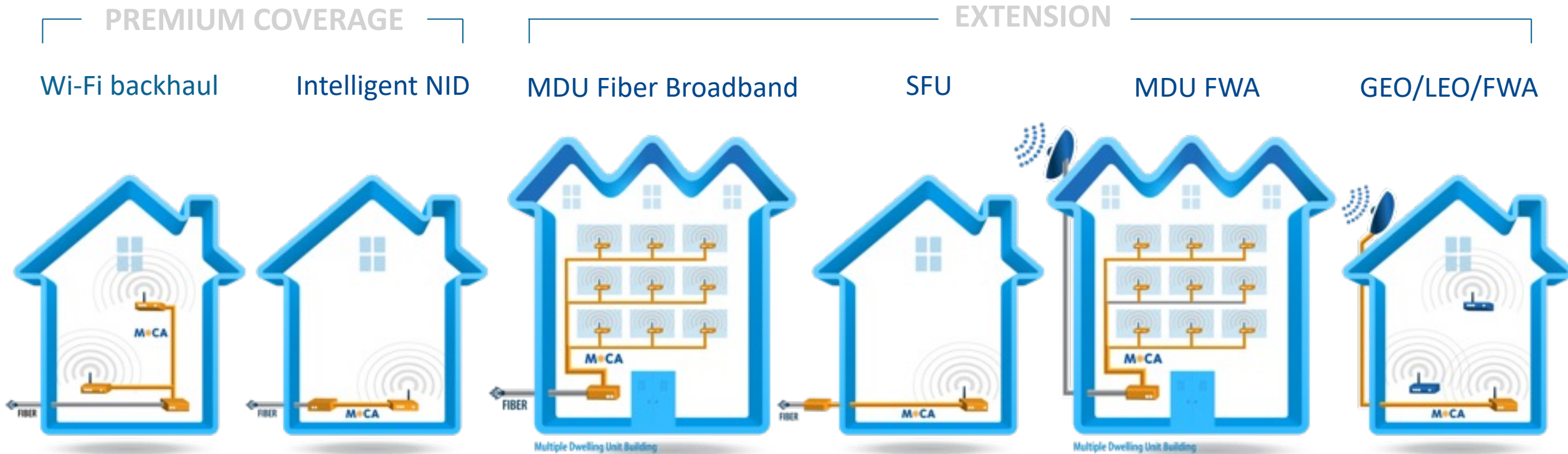
MoCA® technology uses coax wires for consistent, cost-effective, deterministic, scalable Wi-Fi network coverage and Fiber and FWA extensions.



The  
**Coax Standards** For  
**Managed Networks**

# MoCA technology uses wires for premium fiber and broadband services to the customer.

*From in-home coverage to broadband fiber extension, MoCA provides multi-gigabit, low latency, secure, deterministic, and consistent connection for premium services.*



# Wires With MoCA® Make Wi-Fi™ Backhaul and Offload Better

*Ensure predictable, consistent high throughput premium coverage throughout a home using MoCA for Wi-Fi Backhaul.*

Uses a wire (coax) for Wi-Fi backhaul and Wi-Fi offload

Keep wireless spectrum open for additional front-end services that boost ARPU

Ensures low latency, multi-gigabit speeds, and deterministic network performance

Provides predictable network performance using simplified access points

## MoCA for Wi-Fi™ Backhaul/Offload

- 2.5 Gbps 2.5 MAC
- < 2.5 ms one-way avg latency
- 400 – 1675 MHz Usable Spectrum
- Quality of Service (QoS)
- Power saving states
- Secure onboarding
- Password Remote Provisioning for User Self-Install
- Enhanced privacy
- Centralized dynamic resource sharing



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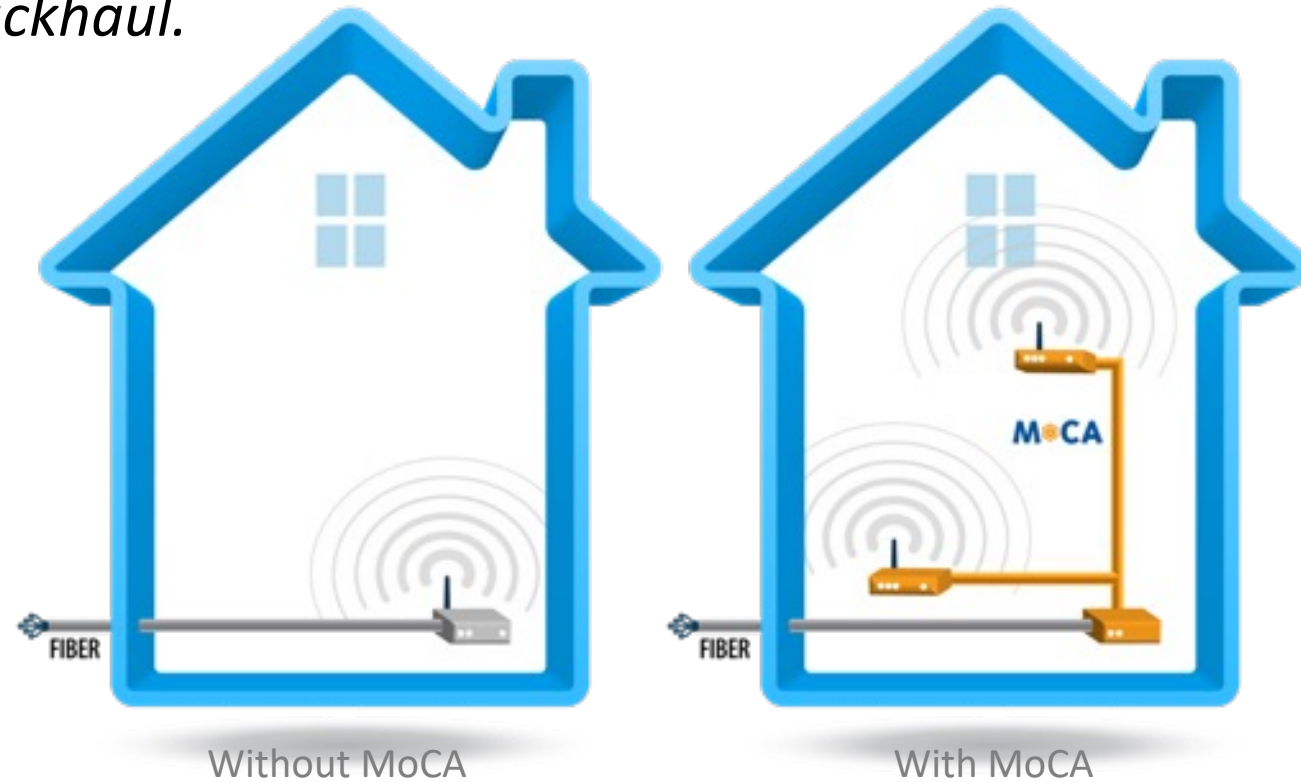
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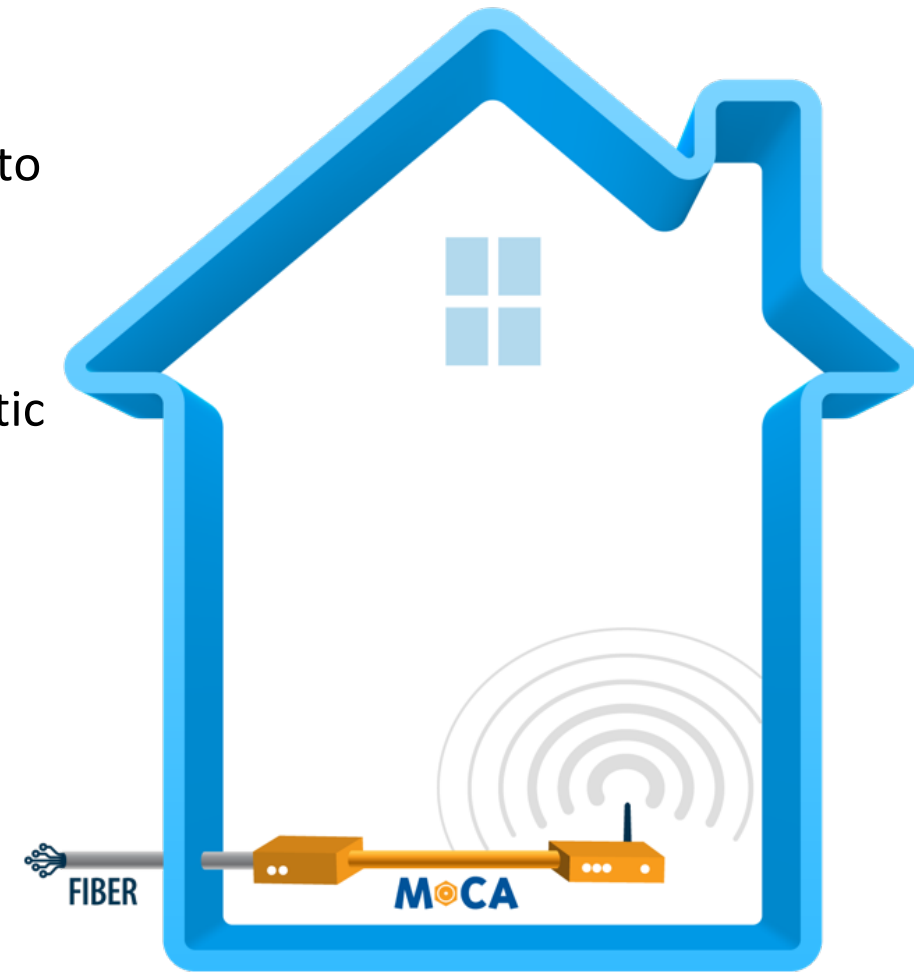
# Wires With MoCA<sup>®</sup> for Intelligent NID

*Reliable and Cost-effective ONT to GW connectivity using MoCA technology with existing coax*

- Uses existing residential coax wiring for reliable and consistent ONT to GW intelligent connection
- Provides ONT placement that's convenient for service operator
- Provides Gateway (GW) placement for optimized coverage or aesthetic
- Reduces installation costs that reduce ARPU

## MoCA for Intelligent NID

- 2.5 Gbps MAC Rate
- 75 dB of reach
- < 2.5 ms one-way avg latency
- 400 – 1675 MHz Usable Spectrum
- Power saving states
- Secure onboarding
- Adaptive US/DS split radio





# Wires With MoCA<sup>®</sup> Make Fiber Extensions Better

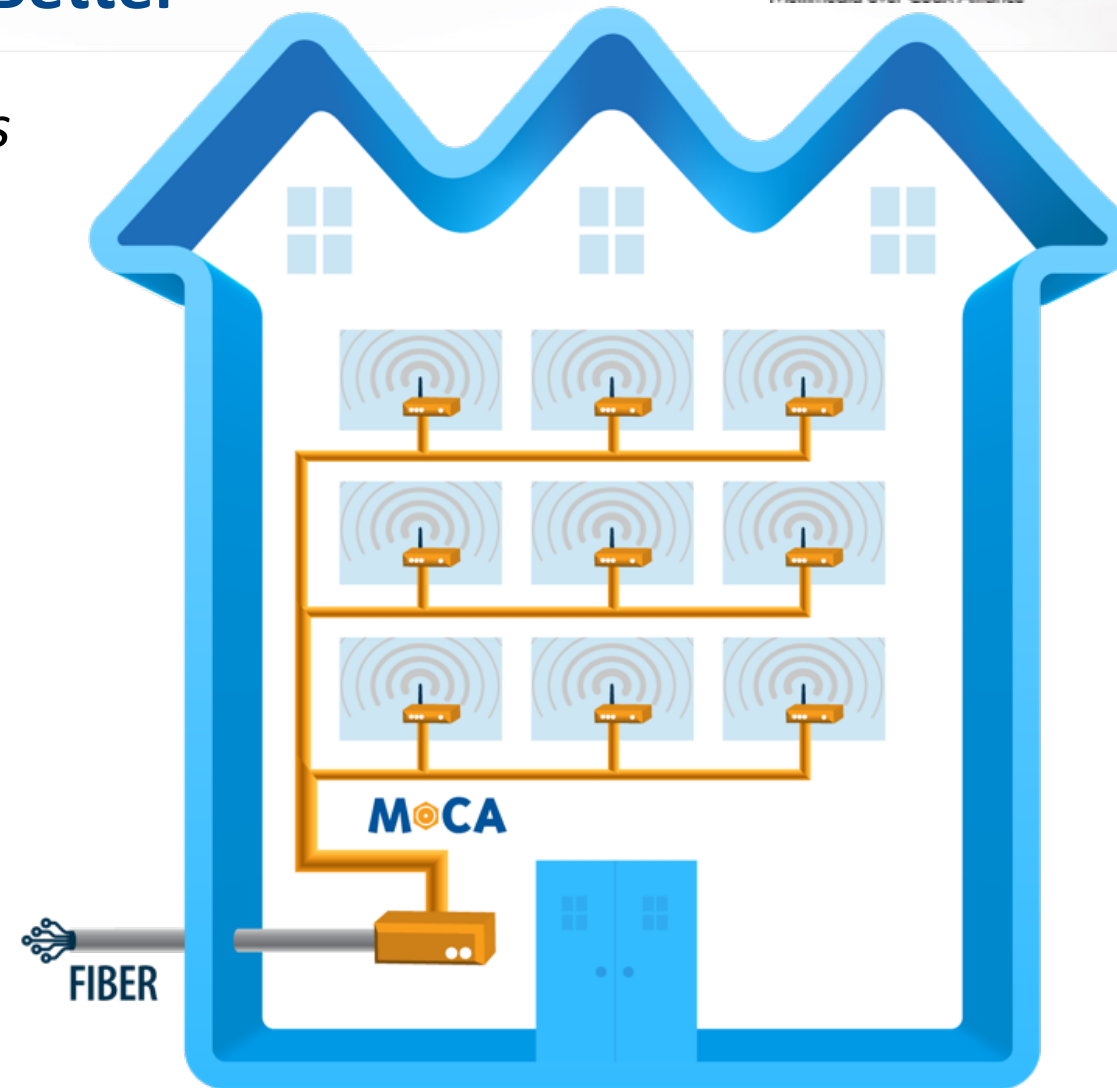
*Leverage the MDU's existing coax with MoCA Access*

Delivers cost-effective, multi-gigabit fiber INID network services to the building and to customer access points

Lower install costs by 30% minimum with less tenant disruption\*

## MoCA Access for Fiber Extension

- Point-to-multipoint serving up to 63 nodes/headend
- 2.5 Gbps 2.5 MAC
- < 2.5 ms one-way avg latency
- 400 – 1675 MHz Usable Spectrum
- Quality of Service (QoS)
- Power saving states
- Secure onboarding
- Password Remote Provisioning for User Self-Install
- Enhanced privacy
- Centralized dynamic resource sharing



Multiple Dwelling Unit Building

# Wires With MoCA<sup>®</sup> Make SFU GEO/LEO and FWA Better

*Extend Satellite or FWA receiver peer-to-peer link from outside a home to the gateway inside the home*

Uses existing coax for reverse power feed connectivity

Delivers ultra low latency, multi-gigabit speeds, backup power

Repurposes coax cables with existing management tools

## MoCA for SFU GEO/LEO/FWA Access

- Point to point connection for FWA, Satellite
- <1ms One way avg latency under 1 Gbps
- Reverse power feed
- 2.5 Gbps@ 500MHz downstream and 2 Gbps@500Mhz upstream
- 75 dB of reach
- 400 – 1675 MHz Usable Spectrum
- Power saving states
- Secure onboarding
- Adaptive US/DS split radio



# Wires With MoCA® Make MDU FWA Better

*Extend Satellite or FWA receiver peer-to-peer link from outside an MDU to the gateway inside the MDU*

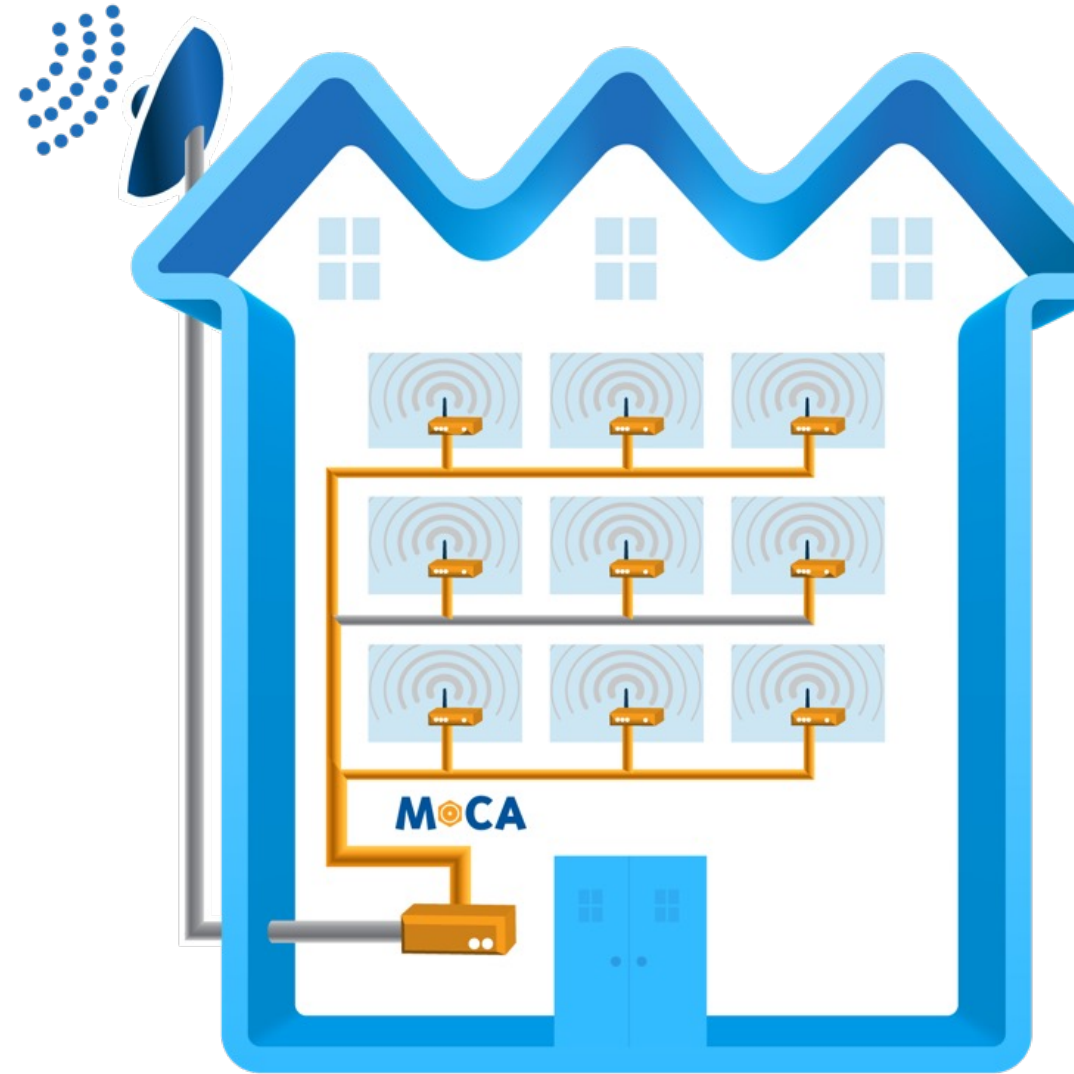
Uses existing coax for reverse power feed connectivity

Delivers a fiber network extension with multi-gigabit speeds, backup power, and ultra low latency

Repurposes existing coax cables and management tools

## MoCA for MDU FWA Access

- Point to point connection for FWA
- <1ms One way avg latency under 1 Gbps
- Reverse power feed
- 2.5 Gbps@ 500MHz downstream and 2 Gbps@500Mhz upstream
- 75 dB of reach
- 400 – 1675 MHz Usable Spectrum
- Quality of Service (QoS)
- Power saving states
- Secure onboarding
- Adaptive US/DS split radio



Multiple Dwelling Unit Building



# Wires With MoCA® Extend Fiber's Reach Into the Home

*Get fiber speeds from street to home using coax and MoCA*

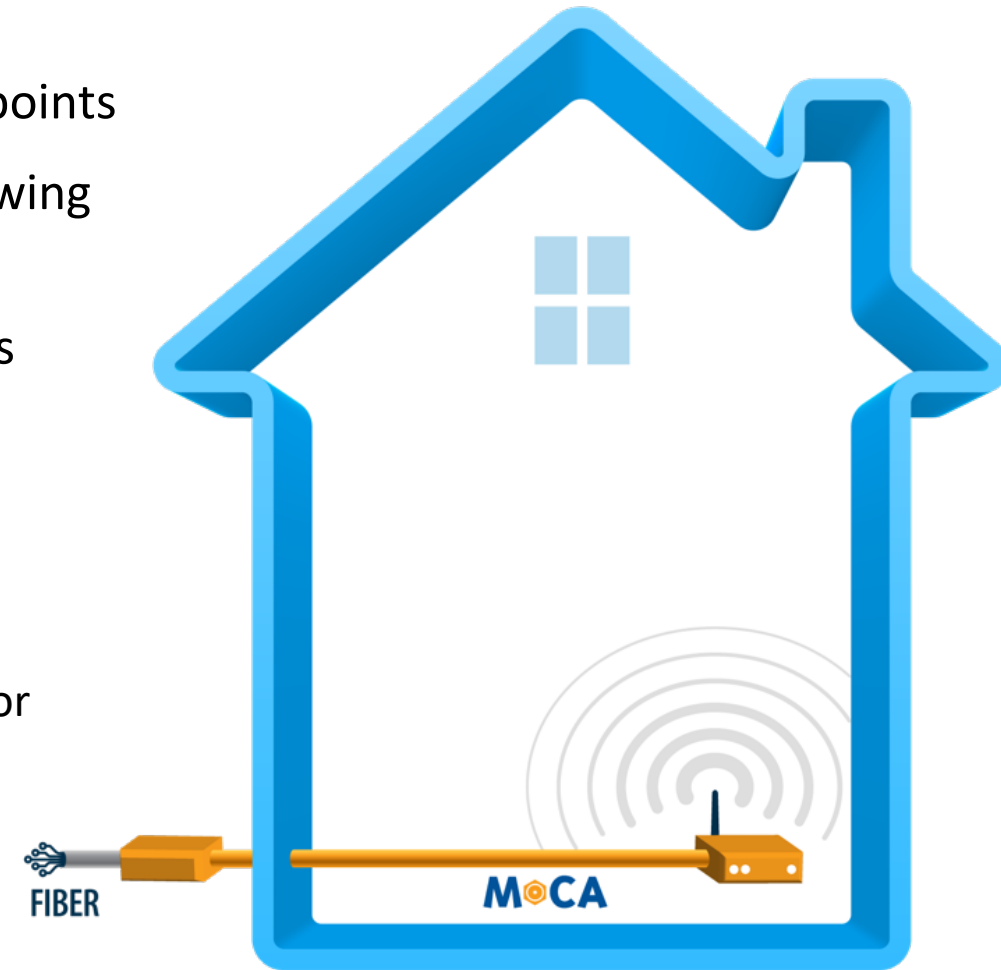
Delivers cost-effective multi-gigabit fiber INID to customer access points

Lowers install costs by 30% minimum with less disruption than blowing or dropping fiber to the unit

Convenient Gateway placement; optimized coverage *and* aesthetics

## MoCA for SFU Fiber

- 2.5 Gbps 2.5 MAC @500 MHz
- < 2.5 ms one-way avg latency
- 4 QoS queues
- Power saving with MoCA power states (active, Idle, standby, sleep)
- MoCA protected setup (MPS)
- 400 – 1675 MHz Usable Spectrum
- Management proxy
- Enhanced privacy
- Password Remote Provisioning for User Self-Install



# MoCA technology delivers trusted fiber and broadband coverage for premium service experiences using wires

*Wires with MoCA® create simplified extensions and access points to ensure consistent, manageable, predictable multi-gigabit network coverage and fiber extension.*

*Using MoCA lowers TIC (Total Installed Cost) and improves the quality of service for your customers.*

[Learn more at MoCAAlliance.org](https://www.MoCAAlliance.org)

