

Reliable High-Speed Internet for MDUs from Nokia



Apartment buildings and other multi-dwelling units (MDUs) are a challenge for broadband operators. Fiber may be running right past a building, but rewiring that building to extend fiber to each unit is an expensive and technically challenging proposition.

Nokia's Gigabit Connect solution provides proven MoCA Access™ 2.5 technology that is integrated with their industry-leading fiber products. MoCA allows fiber operators to use existing coax cable wiring within a building to quickly and easily deliver multi-gigabit internet to MDUs. Gigabit Connect with MoCA Access provides a reliable, low-latency alternative to Wi-Fi, where signals may struggle to cover large areas or penetrate walls. It is an ideal solution for large apartment buildings, condominiums, and other multi-unit residential buildings.

How it Works

At a demarcation point connect an InCoax Distribution Point Unit (DPU) to your fiber and to the building's existing coaxial cable. The hardened and passively-cooled DPU can be installed outdoors or within the building in either a point-to-point, or point-to-multipoint topology. One DPU can support up to 16 MoCA access modems.

A MoCA Access Modem is installed in any apartment unit that subscribes to your service and can be self-installed by the resident. The MoCA Access Modem converts the MoCA signal to Ethernet and will provide 2 gigabits of low-latency, symmetrical broadband service to the subscriber.

Key Benefits

- **Utilizes Existing Coaxial Infrastructure.** MoCA leverages existing coaxial cables within buildings, eliminating the need for costly fiber rewiring and reducing deployment costs.
- **Coexists with QAM Video and DOCSIS.** Flexible band allocation within MoCA Access allows for coexistence with legacy TV and DOCSIS 3.0 and 3.1 service.
- **Easy Installation.** Simple to install, with plug-and-play capability. The MoCA adapter connects to coax outlets and provides Ethernet connectivity to end-user devices.
- **Fast, Reliable Internet.** Provides speeds up to 2 Gbps symmetrical service, ensuring a fast, stable, and low-latency connection.
- **Seamless Integration with Nokia Fiber.** Each DPU includes a Nokia XGS-PON ONT. DPUs and MoCA Access Modems are managed and monitored by Nokia's Altiplano™ Service Activation platform.
- **Scalable.** Each DPU supports up to 16 devices, and a single PON port can be split to support up to 32 DPUs, making it perfect for both small and large MDUs, with one or multiple buildings.

ZCorum is a Nokia Expert Partner. Contact us for more information on this innovative solution for providing fast, reliable and cost-effective broadband services to MDUs and MTUs in your area.



ZCorum
4501 North Point Parkway, Suite
125 Alpharetta, GA 30022
1-800-909-9441
info@ZCorum.com

 ZCorum.com
 Facebook.ZCorum.com
 Youtube.com/ZCorum
 Twitter.com/ZCorum