ANTRONIX®

Antronix MoCA SFP+

Powered by MDSlink

The MoCA SFP+ by MDSLink is a highly cost effective solution for delivering Gigabit data services over existing cabling infrastructure in Residential Multiple Dwelling Units, Hotels, and throughout legacy premise architecture. Compatible with common ethernet switching platforms, the MoCA SFP+ can deliver 1 Gbps symmetrical data rates and is easily installed using existing non-proprietary routing and switching equipment.

Ideal for rapid deployments, the MoCA SFP+ solution provides exceptional time to market and can be quickly provisioned and up and running with minimal effort and time, without any additional interoperability software, proprietary management tools, or costly license fees.

Utilizing powerful MoCA 2.5 transport modulation technology, the MoCA SFP+ can be launched from a wide variety of switches in a Point to Point or Point to Multipoint architecture to deliver 1 Gbps symmetrical or up to 2.5 Gbps downstream and 2 Gbps Upstream data rates. Subscribers can seamlessly stream pristine HD and 4K video, upload high definition content to the cloud in an instant, and get unparalleled low latency mesh performance, without the need of ethernet or fiber optic wiring in the premise.

• 1 Gbps symmetrical data rates
    - 2.5 Gbps coming soon
• Uses existing coax infrastructure and cabling
• Compatible with legacy passives up to 1675 MHz
• MoCA transport frequency 400 MHz – 1675 MHz
• Highly loss tolerant @ 80 dB link budget
• Fastest time to market for Gigabit services
• Installs quickly and easily
• Fractional cost compared to FTTH

• Tailored for
    • MDU
    • Campus
    • Enterprise
    • Small Broadband systems
• Point to point or Point to Multipoint applications
• SFP+ form factor

The MoCA SFP+ is the most compact and modular MoCA 2.5 compatible adapter available and enables a highly efficient system for delivering valuable symmetrical Gigabit in a plug-n-play SFP+ with zero configuration over existing cabling. Also available for RJ-11, the MoCA SFP+ advanced MoCA 2.5 transport provides out of the box Peer to Peer network security, Bridge detection, and up to 2.5 Gbps of MAC throughput. (With compatible devices.)

Transform legacy coaxial wiring into a powerful data transport architecture and revenue stream, with minimal installation cost or hardware investment.

The MoCA SFP+ operating frequency is fully compatible with DOCSIS cable and video services and boasts TDMA (Time Domain Multiple Access) to deliver symmetrical rates over the same frequency range, resulting in significantly improved upstream performance when compared with conventional cable service data rates in legacy Cable systems (DOCSIS 3.0 or earlier), and can also be overlaid on DOCSIS 3.1 networks with proper filtering and isolation of adjacent channels.

The MoCA SFP+ module also provides unparalleled resilience in the presence of noise and cable loss, and is capable of delivering optimal performance even over long

cable spans of 1000 ft. A highly loss tolerant link budget of 80 dB allows for seamless performance even in challenging environments and in the presence of legacy drop passives throughout the premise.

Low latency rates of 5 ms provides excellent WiFi performance and QoE for your subscribers, while delivering date rates competitive with an all fiber PON deployment at a fraction of the installed cost of FTTP.

The MoCA SFP+ can provide an economical migration path towards a more fiber intensive infrastructure.

Transform your coax wiring into a powerful data transport architecture

Extend your legacy network

Deliver Gigabit data services over existing coaxial cabling

Solves costly re-cabling challenges in Multiple Dwelling Units

Launch Gigabit data services quickly and effectively from most ethernet switching platforms

The most cost effective symmetrical gigabit solution for MDUs

Point to Point or Point to MultiPoint

Intuitive Management tools out of the box

Increase your revenue and ROI performance in Hospitality and MDU properties

• 1 Gbps symmetrical data rates over coax using off the shelf 1 Gbps switching hardware
  - Up to 2.5 G / 2 G data rates with compatible consumer or carrier grade switches and routers
• Plug-n-play, no training, no new software
• Uses existing, common switches and CPE
• No Network controller required
• No licensing or proprietary software needed
• Most cost effective and scalable premise equipment – no discreet CPE needed
  - can plug into any compatible media converter for rapid deployment and monetization
• Coexists with CATV, SATV, Terrestrial, private channels (hospitality / hospital) and G.hn (requires frequency notching)
• Cat3 (phone wire) is often the oldest and least maintained wiring in brownfield buildings due to its lack of use.
• Installs at a fraction of the cost of FTTH
• Pluggable design allows for superior hardware utilization and efficiency – upgrade to XGS PON without installing new hardware
• Combine services in a single switch backplane

Contact your **Antronix** representative for more information.

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