

MoCA Updates to 2.5

Written by Marco Attard
20. 04. 2016

The Multimedia over Coax Alliance (MoCA) announces its latest specification-- MoCA 2.5, featuring data rates of up to 2.5Gbps as well as network management and security additions required by service providers.



The new specification is backwards compatible with MoCA 2.0 and MoCA 1.1, and allows for easier setup and push-button password sharing via MoCA protected setup (MPS), enhances privacy through longer passwords and different keys between MoCA 2.5 nodes and manages nodes lacking upper layer management support by supporting management queries from one node on behalf of other nodes.

Also offered by MoCA 2.5 are additional performance profiles for the upgrading of MoCA 2.0 devices to take advantage of such features.

- Profile B: 400 Mb/s net data rate up to 16 nodes, and 500 Mbps in turbo mode (two nodes only).
- Profile C: 800 Mb/s net data rate with channel bonding up to 16 nodes, and 1 Gbps in turbo mode (two nodes only).
- Profile D: 1.5 Gbps, 2 Gbps and 2.5 Gbps net data rates up to 16 nodes.

“MoCA has once again raised the performance bar for home networking with an increase in throughput that is more than two and half times MoCA 2.0 with additional capabilities operators need and end users want. In addition, the technology was delivered in one year, from start to finish, further indicating that the Alliance can quickly respond to the market demands of operators,” the alliance says. “In MoCA 2.5, service providers have another comprehensive standard from MoCA for building their networks.”

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The MoCA 2.5 specification is available now for alliance members.

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