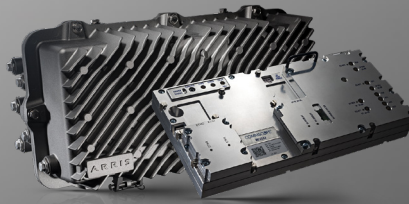


Increase Reliability & Performance on your HFC Network

COMMScope®



CommScope's Remote PHY (RPD) and Remote MAC-PHY (RMD) solutions provide broadband operators with a seamless pathway to Distributed Access Architecture (DAA), enabling greater bandwidth, along with increased reliability and fiber efficiency (wavelength and distance). These DAA solutions move the digital portion of the headend or hub to the node, placing the digital/RF interface at the optical/coax boundary. This results in improved network performance and reduced loads on facility space and power systems. When operating as an RPD, the channel configuration is received from the CCAP Core in the headend. When operating as an RMD, the service and channel configuration is downloaded from an external server as a configuration file.

The RPD and RMD solutions are available as part of CommScope's NC4000 and OM4 series nodes, providing flexibility for service providers to adopt DAA without the need for extensive infrastructure changes. Operators can upgrade their legacy nodes to support DAA functionalities with the deep lid RxD upgrade kit, ensuring a smooth transition to next-generation network architecture.

Key Features and Benefits

- **Increased Bandwidth and Reliability.** Extends fiber closer to the subscriber utilizing digital optics, increasing capacity and reducing RF issues.
- **Flexible and scalable.** Supports multiple node configurations, including 1x1, 1x2, or 2x2 downstream service groups and upstream service groups.
- **Seamless Transition to DAA.** If you have existing NC4000 or OM4120 nodes you can deploy Remote PHY or Remote MAC-PHY functionalities by replacing the standard optics with the deep-lid upgrade kit. The deep-lid kit also provides the ability to upgrade legacy OM4 nodes from 870 MHz or 1.0 GHz to 1.2 GHz at the same time.
- **DOCSIS 3.1 Compliant:** The RPDs and RMDs are fully DOCSIS 3.1 compliant, ensuring high performance and compatibility with the latest broadband technologies.
- **Analog Overlay Options:** Supports legacy analog signals ensuring a smooth integration of RF services with the new DAA infrastructure.
- **Simplified Network and Efficient Operations:** The RPD and RMD solutions reduce operational complexity by extending the digital portion of the network to the node, lowering the need for expensive hardware in the headend. This also reduces power consumption and simplifies fiber utilization, leading to more reliable and efficient network operations.
- **Scalable for Growth:** With the flexibility to support up to 256 subscribers per RPD/RMD (with appropriate licensing), these devices are designed to scale as your network grows. Whether you're serving urban or remote areas, these solutions provide the bandwidth and flexibility needed to meet growing customer demands.

Remote PHY and Remote MAC-PHY solutions deliver the flexibility, scalability, and performance required to meet the evolving needs of today's broadband networks. Whether you're upgrading your existing network or expanding coverage, these solutions are designed to optimize your infrastructure and maximize your return on investment.



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