RD2312-RXD | RD2312 Remote PHY/MACPHY Device (RxD)

Remote PHY/MACPHY Device for Distributed Access Architectures designed specifically for deployment in the DC2180 Compact DAA Node

In CommScope's continuing commitment to support a full Distributed Access Architecture (DAA), the RD2312 Remote PHY/MACPHY Device (RxD) supports operation as either an R-PHY Device (RPD) or an R-MACPHY Device (RMD), hence the designation as an RxD. The RD2312 is designed specifically to be deployed in the DC2180 Compact DAA Node. In its first release, the RD2312 is targeted primarily for RMD deployments, whereas the companion product, the CommScope R-PHY S-RPD module, is supported in the DC2180 for RPD deployments.

Specific benefits of the CommScope RD2312 RMD solution include:
- Leverages the field-proven and widely deployed software of the CommScope E6000® CCAP Core, which is re-used in the MAC layer of the RD2322 RMD
- Utilizes the same software base as the RD2322 RMD, giving it a rich feature suite in its first release

Specific technical specifications include:

* Up to 1 Downstream (DS) x 2 Upstream (US) Service Groups; programmable DSxUS service group configuration
* DS/US RF Overlay
* 1.2 GHz DS upper edge
* Up to 3 x 192 MHz OFDM channels per DS service group
* 42/65/85/204 MHz US split
* Up to 2 x 95 MHz OFDMA channels per US service group
* Two 10 Gbps SFP+ Ethernet interfaces, configurable as individual Ethernet interfaces or as a LAG
* DOCSIS 2.0/3.0/3.1
* Broadcast/Narrowcast video
* Support for OFDMA Upstream Data Profile (OUDP) scheduled grants for high split leakage detection and upstream measurement

Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Product Type	Remote PHY device (RPD)

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