

RD1424-RPD | RD1424 Remote PHY/MACPHY Device (RxD)

Base Product



Remote RD1424 2x4 PHY Device (RPD) for OM6000® 1.2 GHz HFC Nodes

The RD1424 Remote PHY Device (RPD) is a key component in CommScope's Distributed Access Architecture (DAA) portfolio, which can provide significant operational benefits—including increased bandwidth capacity, improved fiber efficiencies (wavelengths and distance), simplified plant operations with digital optics, and decreased loads on facility space and power systems—by extending the digital portion of the headend or hub to the node and placing the digital/RF interface at the optical/coax boundary. The RD1424 works in conjunction with the CCAP Core to extend the PHY layer from the CCAP into an Opti Max OM6000 HFC node. MAC processing, provisioning, and monitoring functions remain in the headend. The RD1424 provides full spectrum support for digital broadcast TV, VoD, and DOCSIS 3.0 and DOCSIS 3.1, as well as strategic alignment with future NFV/SDN/FTTx systems.

- Industry leading RF output capability of 57 dBmV at 1.2 GHz
- Supports 1.2 GHz Downstream and 204 MHz Upstream bandpass for DOCSIS® 3.1 migration
- Seamlessly upgrade from traditional optics to distributed access architectures (DAA)
- Monitoring options available with ingress control switch remote functionality
- Enhances plant performance • Maximizes fiber utilization and reach
- Improves headend density and power efficiency
- Simplifies plant maintenance via digital optics

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Remote PHY device (RPD)
Product Series	RD1424