

Press Release

Smartoptics announces the DCP-R family of ROADMs for flexible open line systems

Oslo, Norway– November 12, 2020 – Smartoptics, a leading provider of optical networking solutions, today announced the DCP-R family of DWDM ROADMs for flexible open line systems. With the DCP-R family Smartoptics addresses a new market of advanced and reconfigurable optical ring and mesh networks, typically used by network operators and service providers. The ROADMs are designed for use of the new PAM4 and 400ZR traffic formats mixed with legacy protocols, such as Ethernet and Fibre Channel, thereby greatly simplifying optical network planning and service flexibility in edge and metro/regional networks.

The DCP-R family brings traditional ROADM capabilities, such as remote manageability and simplified network planning, closer to the edge of the metro/regional networks, thanks to the lower cost of a disaggregated optical infrastructure. The DCP-R-9D is a dedicated 1U per degree ROADM with Flexgrid, directionless, contentionless and colorless capabilities for 9 degrees. The ROADM, with integrated mux/demux for local add/drop, is designed for use with PAM4 and 400ZR transceivers mixed with 100G QPSK, 200G 16QAM, Ethernet and Fibre Channel traffic formats.

Management of the ROADMs in the DCP-R family, as well as of the existing DCP-F and DCP-M family members, is either done by an SDN controller through the ROADMs' OpenROADM based API or manually by parameter settings from a command line interface.

The first members of the DCP-R family are the 9-degree **DCP-R-9D-MS** and the **DCP-R-9D-CS** where the MS model supports mixed traffic formats and the CS model is optimized for coherent traffic formats. These products will be followed by higher degree ROADMs optimized for regional applications.

Magnus Grenfeldt, CEO Smartoptics, commented: "With our DCP-R ROADMs Smartoptics takes yet another step in serving operators wanting to take advantage of disaggregated, open line systems in their optical infrastructure. Thanks to our unique design it is now possible to combine new traffic formats such as PAM4 and 400ZR for extremely high data rates with Ethernet, Fibre Channel and other legacy formats in the same flexible ROADM-based open line system all the way to the edge of the network."

For more information see: [DCP-R Solution Brief](#)

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About Smartoptics

Smartoptics provides innovative optical networking solutions and devices for the new era of open networking. Our customer base includes thousands of enterprises, governments, cloud providers, Internet exchanges as well as cable and telecom operators. We have an open networking approach in everything we do which allows our customers to break unwanted vendor lock-in, remain flexible and minimize costs. Our solutions are used in metro and regional network applications that increasingly rely on data center services and specifications. Smartoptics is a Scandinavian company founded in

2006. We partner with leading technology and network solution providers such as Brocade, Cisco, HPE and Dell EMC and have a global reach through more than 100 business partners.

For additional information about Smartoptics, please visit <https://www.smartoptics.com/>