LIGHTCOUNTING

EMERGING MARKET FOR PAM4 AND COHERENT DSPs

3RD EDITION | FEBRUARY 2021

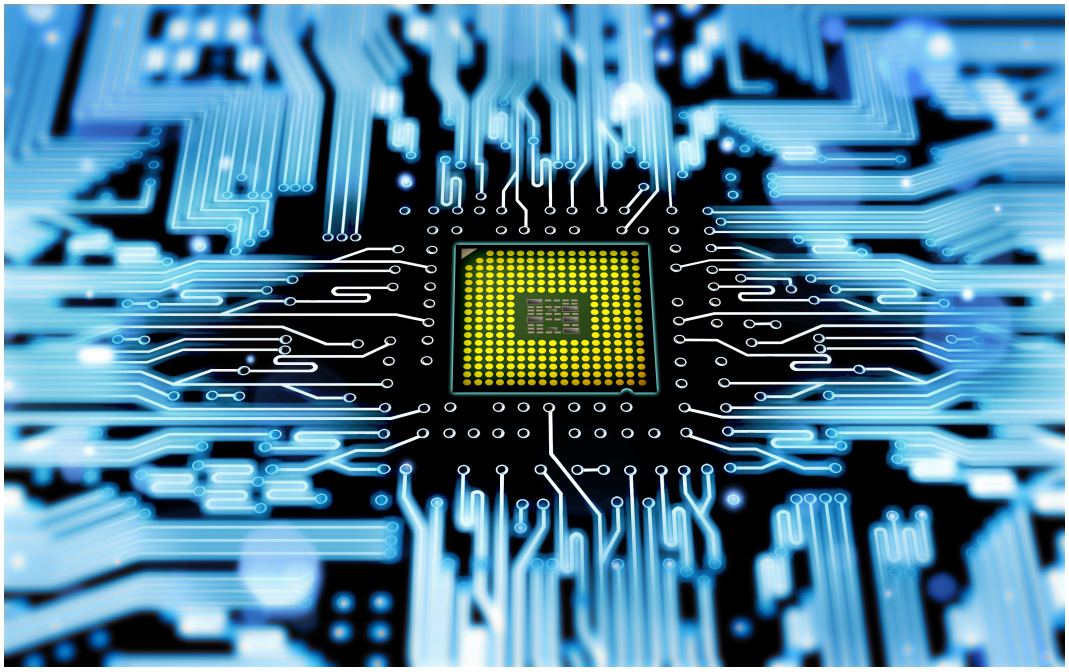

TABLE OF CONTENTS

Abstract

This report analyses the market for semiconductor IC chipsets used in optical transceivers and related products. The chipsets include laser drivers, CDRs, TIAs and in some cases FEC, PAM4 and coherent DSP ICs. Demand for 400GbE connectivity inside mega datacenters and 400G DWDM optics on the outside boosted sales of PAM4 and coherent DSP chips in 2019-2020 and this market segment will continue to grow.

The report analyses the global market for IC chipsets by application, breaking the market down into CWDM/DWDM, Ethernet, Fibre Channel, FTTx, Wireless Fronthaul, AOC, AEC and EOM segments. PAM4 chips used as on-board re-timers are included in the Ethernet category. It also includes a database with historical data for 2016-2020 and a 2021-2025 forecast for shipments, average selling prices and sales revenue from IC chip sets sorted by type of transceivers or other modules where these are used. It also includes profiles of the leading suppliers of high-speed optical interface ICs and several Chinese IC companies.

LightCounting Market Research

858 West Park Street, Eugene, OR 97401

www.lightcounting.com • **408-962-4851**

LightCounting is a market research company focused on the in-depth study of high speed interconnects for the datacom, telecom, and consumer communications markets. Our research covers the whole supply chain from optical and semiconductor components, to modules, sub-systems and their applications in telecom and datacom systems. We recently added coverage of the global wireless infrastructure to our research.

Our industry reputation was built by providing solid market data and objective analysis to help industry executives in making tactical and strategic business decisions and to see past all the market hype, rumors, press reports, blogs and other distortions that so often complicate and confuse many decision making processes.

For more information, go to: www.lightcounting.com

Or follow us on Twitter at: www.twitter.com/lightcounting