

# Raintree optical module



## Overview

The RAIN-200 platform features high-bandwidth Germanium photodetectors and Silicon Mach-Zehnder modulators with best-in-class optical loss, bandwidth, and efficiency. Rain Tree Photonics (RTP) is a Silicon Photonics chipmaker dedicated to transforming next-generation optical interconnects through. RTP's 800G silicon photonics engines come in two versions – a single chip version (RTP11008), in which each chip contains eight channels and a dual chip version (RTP1908-D-LD), in which each chip contains four channels. The photonic engines are built on RTP's proprietary high-performance silicon. Rain Tree Photonics (RTP), has announced the availability of its 200G/lane PIC product family, designed to meet the increasing bandwidth and efficiency demands of AI clusters and hyperscale data centres. It has also unveiled the results of silicon modulators operating at 400G/lane IMDD at the IEEE. Rain Tree Photonics Pte.

## Article Content

Rain Tree Photonics and MaxLinear deliver 400G

Singapore-based Rain Tree Photonics (RTP) and MaxLinear announced the availability of a silicon photonics-based solution for 400G-DR4

A\*STAR — Powering the Future of Silicon Photonics

At the chip level, the optical engine integrates 32 traveling-wave Mach-Zehnder modulators and 32 germanium photodetectors, each with electro

A\*STAR — Powering the Future of Silicon Photonics

These platforms are widely applied in high-speed networking chips, AI accelerators, and Co-Packaged Optics (CPO) modules. Silicon Photonics &

Rain Tree Photonics Announces Availability of Low-Cost & Low

In each chip, the entire photonic circuit is optimized for low optical insertion loss, allowing each laser to serve four channels, reducing overall cost and power consumption.

Rain Tree Photonics' 400G-DR4 Silicon Photonic Engine and

Rain Tree Photonics Pte. Ltd., a silicon photonics chip maker for hyperscale data-centers and 5G today announced the availability of a silicon photonics-based solution for 400G-DR4 optical modules....

Staff Silicon Photonics Test Engineer (Lead Role)

At Rain Tree Photonics, we are building next-generation optical engines for co-packaged optics (CPO) and near-packaged optics (NPO) to break the bandwidth and power bottlenecks in AI

Rain Tree Photonics' 400G-DR4 Silicon Photonic Engine and

RTP's 400G-DR4 silicon photonic engine (RTP1908) is paired with MaxLinear's Telluride PAM4 DSP (MxL93542) to provide a high level of integration, resulting in low-cost and low-power optical module

Rain Tree Photonics unveils 200G/lane PIC, 400G/lane IMDD

The RAIN-200 platform features high-bandwidth Germanium photodetectors and Silicon Mach-Zehnder modulators with best-in-class optical loss, bandwidth, and efficiency. Additionally, the

Rain Tree Photonics and ATOP Corporation to Commercialize

Singapore – March 25, 2024 – Rain Tree Photonics Pte. Ltd. (RTP), a silicon photonics chip maker for hyperscale data-center and AI interconnect applications entered into a MEMORANDUM OF

2020-09-02 | Press Release | Rain Tree Photonics'' 400G-DR4

Rain Tree Photonics Pte. Ltd. (RTP), a silicon photonics chip maker for hyperscale data-centers and 5G today announced the availability of a silicon photonics-based solution for 400G-DR4

Rain Tree Photonics unveils 200G/lane PIC, 400G/lane IMDD

Rain Tree Photonics (RTP), has announced the availability of its 200G/lane PIC product family, designed to meet the increasing bandwidth and efficiency demands of AI clusters and

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Rain Tree Photonics'' 400G-DR4 Silicon Photonic Engine and

Rain Tree Photonics'' proprietary silicon photonics engine is specifically designed to address the cost and energy consumption demands for next-generation optical interconnects in data

Rain Tree Photonics silicon photonics engine leverages

Rain Tree Photonics Pte. Ltd. says it now offers the RTP1908 silicon photonics engine that, paired with MaxLinear''s Telluride MxL93542 PAM4 DSP, is

Rain Tree Photonics Announces Availability of Low-Cost & Low

Rain Tree Photonics Pte. Ltd. (RTP), a silicon photonics chip maker for hyperscale data-centers and 5G today announced the availability of 800G silicon photonics-based solutions for 800G

Rain Tree Photonics

Rain Tree Photonics (RTP) is a Silicon Photonics chipmaker dedicated to transforming next-generation optical interconnects through cutting-edge,

Rain Tree Photonics

Specializing in high-performance optical connectivity for AI clusters, cloud computing, and hyperscale data centers, RTP''s innovations address the critical

LASER TREE 20W Optical Power Laser Cutting Module

LT-4LDS-V2 20W optical power laser module. This laser cutting module is capable of cutting 10mm bass plywood and 8mm black acrylics in one pass.

Rain Tree Photonics'' 400G-DR4 Silicon Photonic Engine and

The minimal power consumption of the MxL93542 meets the stringent power constraints of 400Gbps optical module form-factors, including QSFP-DD, OSFP and COBO devices.

#### Rain Tree Photonics Announces Availability of Low

RTP today announced the availability of 800G silicon photonics-based solutions for 800G-DR8 and LPO optical modules.

#### Rain Tree Photonics Launches 200G/Lane Silicon

Rain Tree Photonics (RTP) has launched its 200G/lane photonic integrated circuit (PIC) product family, targeting optical interconnects for AI

## Contact Us

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