Indzawo Optic Connect

10GPON Master Device



Overview

This 12th-generation fiber SoC integrates a PON MAC, a 10GbE PHY, a XFI/USXGMII-S port, four 1GbE PHYs, a PCM interface, a multilane PCIe port, USB, and DDR/Flash memory controllers. The BCM68565 is a highly integrated 10G ITU PON/XGS-PON/GPON/Active Ethernet system-on-a-chip (SoC). The device is optimized for a rich service delivery and intelligent access applications. This 12th-generation fiber SoC integrates a PON MAC, a 10GbE PHY, a XFI/USXGMII-S port, four 1GbE PHYs, a PCM. Cisco's family of 10-Gbps symmetrical passive optical network (XGS-PON) Optical Network Terminals (ONTs) delivers flexible, high-performance broadband connectivity for a wide range of fiber-to-the-premises use cases, including residential spaces, Multidwelling Units (MDUs), Small Office/Home Office. Juniper's Unified Passive Optical Network (PON) offers a simple, economical, and highly-scalable pathway to greenfield and brownfield 10G PON access and aggregation network deployments that seamlessly integrate into your Juniper Cloud Metro architecture. The integration and operation of PON. Scale up to a future-ready fiber network today with Hitron's line of 10G PON ONT/ONU and gateway options. It delivers an always-on, wire-speed encryption solution, without

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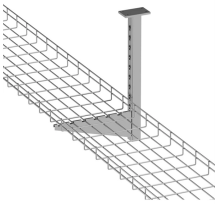
impacting performance or adding. However, 10G PON is not a single technology—it includes multiple standards and module types, most notably XG-PON, XGS-PON, and 10G EPON.

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	PRX SoC family provides the path to scale from gigabit to 10G fiber access solutions. MaxLinear fiber system-on-chip products support ITU-T PON environments such as GPON,
	This micro ONU (uONU) can operate in Ethernet switches with standard SFP+ interfaces and other Ethernet-enabled devices, such as home gateways, enterprise/campus switches, WiFi access points ...
	Scale up to a future-ready fiber network today with Hitron''s line of 10G PON ONT/ONU and gateway options. Our expanded portfolio now includes devices that not only deliver high-ARPU symmetrical ...
	ET900 series 10G PON ONU devices are corridor-side equipment for the H3C FTTB solution. ET900 series can be installed indoors and feature a built-in high-performance Gigabit Ethernet switching chip.
	Simplified architecture for all services: Deploy 10G PON alongside existing Ethernet services, including mobile backhaul, Remote PHY, direct internet, and metro Ethernet on the same device

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	Consolidated and simplified PON deployments: Easily migrate your 1G or 2.5G FTTx services to 10G PON over existing fiber plants and leverage a variety of third-party ONU/ONT devices.
	Any mix of technologies - GPON, XGS-PON or both - are supported on a per-port basis simplifying migration to 10G FTTH, deliver-ing maximum flexibility without compromising future capabilities.
	The device is optimized for a rich service delivery and intelligent access applications. This 12th-generation fiber SoC integrates a PON MAC, a 10GbE PHY, a XFI/USXGMII-S port, four 1GbE ...
	Purpose-built for secure, reliable broadband service delivery in the most demanding outdoor environments, the ENC-10G-ONT-01PR is the ideal weatherized access device solution for ...
	Explore the evolution and technical comparison of 10G PON standards to help you select the ideal solution for FTTH, enterprise, or 5G backhaul.

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Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://www.indzawo.co.za
Email: sales@indzawo.co.za
Phone: +27 71 296 8473
Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

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