

KEY FEATURES AND BENEFITS

FEATURES	BENEFITS
Port Extender Protocol	<ul style="list-style-type: none"> The device supports industry standard port extender protocols IEEE 802.1BR Simplifies the central management of hundreds of thousands of ports in the data center
High Integration	<ul style="list-style-type: none"> Line rate programmable forwarding engine Low-latency pipeline Shared packet buffer memory High-speed SERDES
Packet Header editor	<ul style="list-style-type: none"> A programmable header engine supports proprietary and future protocols making it interoperable with a variety of networking gear
Resiliency	<ul style="list-style-type: none"> Marvell's PIPE solution integrates fast-fail-over and resiliency functionality, providing continuity and high availability to mission-critical applications
SERDES	<ul style="list-style-type: none"> Rx and Tx/Rx training capability per SERDES lane FC-FEC or RS-FEC for 25/50/100GbE ports IEEE 802.3ba Backplane Ethernet support
Typical Port Configuration	<ul style="list-style-type: none"> 12x10G + 1x100G 12x10G + 4x25G 3x40G + 1x100G
Package	<ul style="list-style-type: none"> 17x17mm FCBGA

TARGET APPLICATIONS

- 100GbE Upgrade for SoC and FPGAs
- 10GbE/ 40GbE Passive ToR for the data center
- 10GbE ports fan-out
- Speed conversion from 10GbE/40GbE to 25GbE/50GbE/100GbE

THE MARVELL ADVANTAGE: Marvell chipsets come with complete reference designs which include board layout designs, software, manufacturing diagnostic tools, documentation, and other items to assist customers with product evaluation and production. Marvell's worldwide field application engineers collaborate closely with end customers to develop and deliver new leading-edge products for quick time-to-market. Marvell utilizes world-leading semiconductor foundry and packaging services to reliably deliver high-volume and low-cost total solutions.

ABOUT MARVELL: Marvell first revolutionized the digital storage industry by moving information at speeds never thought possible. Today, that same breakthrough innovation remains at the heart of the company's storage, network infrastructure, and wireless connectivity solutions. With leading intellectual property and deep system-level knowledge, Marvell's semiconductor solutions continue to transform the enterprise, cloud, automotive, industrial, and consumer markets. For more information, visit www.marvell.com.

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