



## KEY FEATURES AND BENEFITS

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

## 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

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