



## KEY FEATURES AND BENEFITS

FEATURES	BENEFITS
Dual 400G Ethernet Retimer, Quad 200G PHY/Retimer	<ul style="list-style-type: none"> <li>Enables the new high density QSFP-DD and OSFP form factors targeted to 400GbE applications in datacenters</li> </ul>
16 port 50GbE, 25GbE, 10GbE. 1GbE PHY/Retimer	<ul style="list-style-type: none"> <li>Ideal for high density Top of Rack switches supporting 50G/25G connectivity to servers</li> </ul>
Quad 100GbE Gearbox for translation from 802.3bj 4x25G NRZ to 802.3cd 2x50G PAM4	<ul style="list-style-type: none"> <li>Enables support of 4x25G optics from switch ASICs with 2x50G PAM4 I/Os. Also enables support of new 50G optics with older switch ASICs</li> </ul>
Low latency 16 channel transparent retiming functionality in PAM4 and NRZ modes	<ul style="list-style-type: none"> <li>For low latency retiming applications</li> </ul>
Long Reach Host and Line interface serdes	<ul style="list-style-type: none"> <li>For driving passive Direct Attach Copper (DAC) cables, and backplanes</li> </ul>
Fully symmetric architecture with FEC capability on host and line interfaces	<ul style="list-style-type: none"> <li>Flexibility to support wide range of applications and system design choices</li> </ul>
Support for IEEE Auto-negotiation and Training protocol	<ul style="list-style-type: none"> <li>Seamless interoperability with standards compliant devices from other vendors</li> </ul>
Ethernet Packet and PRBS generation capabilities, and eye monitoring capability on all high speed interfaces	<ul style="list-style-type: none"> <li>Comprehensive debug capabilities</li> </ul>

## TARGET APPLICATIONS

- 100G, 50G, 25G Top of Rack Datacenter switches
- 400G and 200G Ethernet line cards



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