

Marvell® Link Street® 88E6361 Switch

8-port SOHO Switch with Five 10/100/1000Mbps PHYs and 3 X 2.5G Ports

Overview

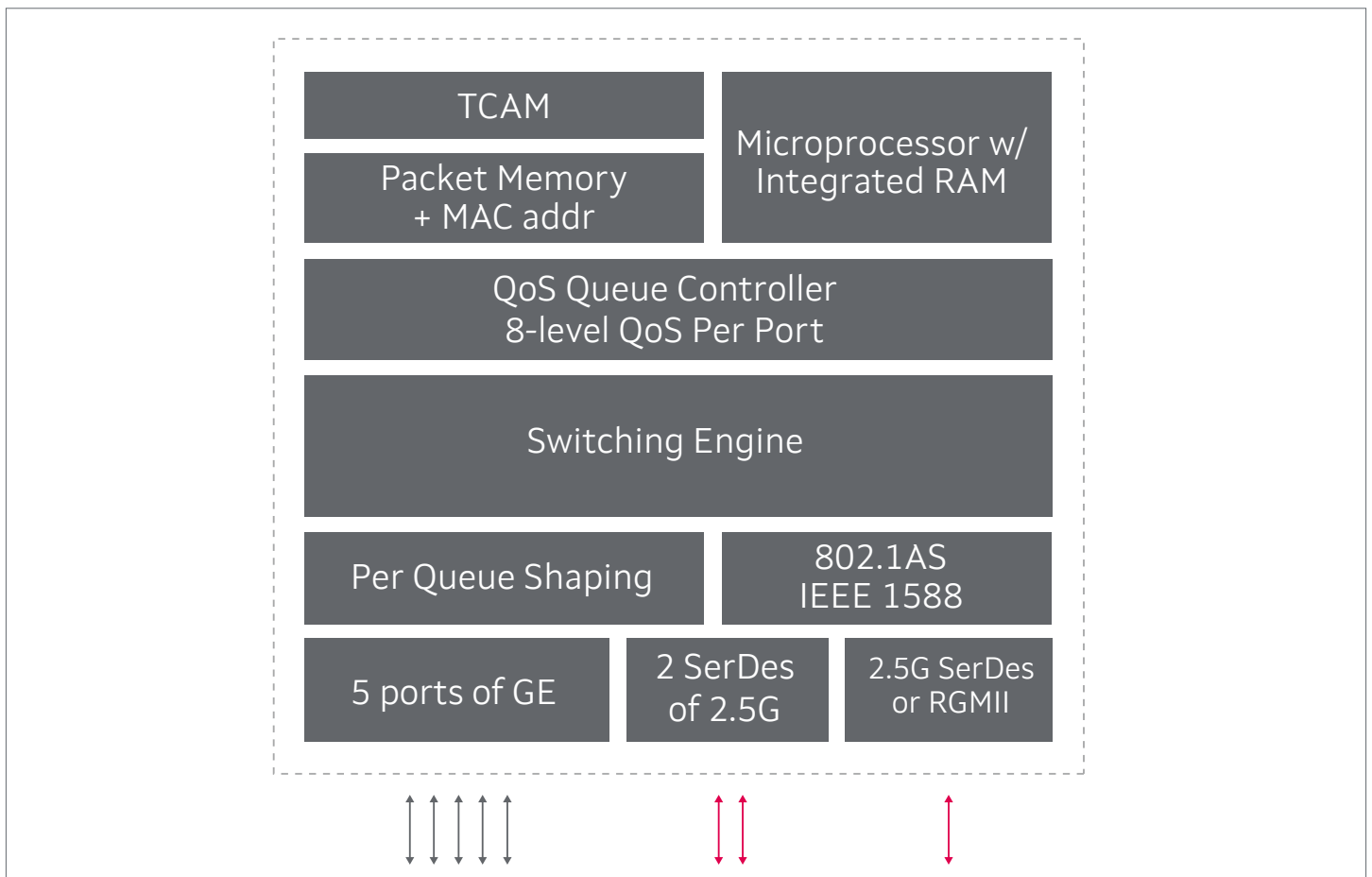
Marvell Link Street 88E6361 device is a single-chip, 8-Port Ethernet Switch with five integrated 10/100/1000Mbps Ethernet transceivers and 3 high speed SerDes interfaces supporting, 2500BASE-X, 1000BASE-X, SGMII.

The 88E6361 provides advanced QoS features with 8 egress queues. The high-performance switch fabric provides line rate switching on all ports simultaneously while providing advanced switch functionality. The device includes TCAM to enable

flexible switch policing, including Access Control Lists (ACLs) and Policy Control Lists (PCLs). These new standards overcome the latency and bandwidth limitations of Ethernet to allow for the efficient transmission of real-time content for home, commercial, and industrial applications.

The 88E6361 also supports IEEE 802.1BR port extender protocol, which enables dramatic reduction of the complexity and cost of the Ethernet network.

Block Diagram



Key Features

Features	Benefits
<ul style="list-style-type: none">8-port Ethernet SwitchFive 10/100/1000Mbps PHYs; 2 x 2.5G SerDes; 1 X 2.5G SerDes or RGMII	<ul style="list-style-type: none">Provides a complete Gigabit Ethernet switching solution for SOHO and switches and routers
TCAM for Deep Packet Inspection	<ul style="list-style-type: none">Enables intelligent switching and policing of packets by looking beyond Layer 2 packet information
L3 Routing	<ul style="list-style-type: none">Enables L3 Routing function
IEEE802.1BR Port Extender	<ul style="list-style-type: none">Enables new networking structure
Cut-through	<ul style="list-style-type: none">Reduces packet latency
IEEE 1588v2	<ul style="list-style-type: none">Enables high accuracy time synchronization
DoS Prevention	<ul style="list-style-type: none">Offers network security function by preventing DoS attack

Target Applications

- SMB Switch with L3 Routing support
- 802.1BR Port Extender
- Industrial Switch
- Gateway - Port Aggregation for SoC



To deliver the data infrastructure technology that connects the world, we're building solutions on the most powerful foundation: our partnerships with our customers. Trusted by the world's leading technology companies for 25 years, we move, store, process and secure the world's data with semiconductor solutions designed for our customers' current needs and future ambitions. Through a process of deep collaboration and transparency, we're ultimately changing the way tomorrow's enterprise, cloud, automotive, and carrier architectures transform—for the better.

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