

20808

**ways to survive
the Exaflood.**



Catch the Wave. Be Extreme.

The New BlackDiamond 20808 for the Metro Core.

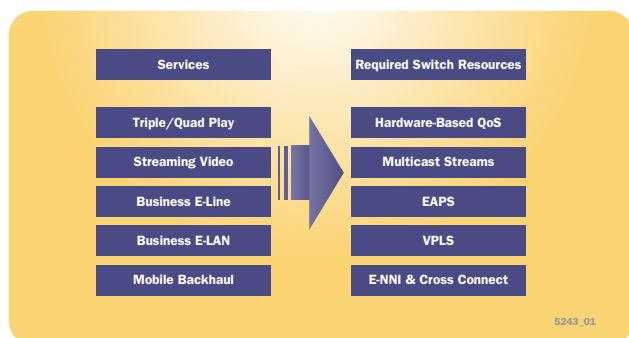
Exaflood is a term that describes the exponential growth in data transmission via the Internet—in large part driven by the proliferation of rich content services with video- and data-intensive applications. It is real, it is relentless, and for service provider networks its impact is growing. As a result, providers worldwide are adopting a carrier-class Ethernet infrastructure to reduce costs, improve customer retention and manage the growing demand for bandwidth resources.

Designed from the ground up for the new carrier reality, Extreme Networks® BlackDiamond® 20808 switches give service providers the tools they need to manage growing bandwidth demand, and gain a competitive edge while surpassing customer expectations. BlackDiamond 20808 switches allow a single Carrier Ethernet network to deliver residential, business, and wireless backhaul services—and do so by offering the highest system capacity, affordability, and flexibility to accelerate service revenue growth.

Unparalleled Capacity

With industry-leading scalability to meet growing bandwidth demands, BlackDiamond 20808 switches provide the high density you need to accommodate a growing number of subscribers and services.

- Outstanding 10 Gigabit Ethernet port density for the metro core
- Highest per-slot bandwidth in its class provides ample headroom for expansion
- Scalable architecture offers future 40 and 100 Gigabit Ethernet upgrade path
- Space-saving design that requires a mere third of a rack



Service and revenue growth requires switch resources that scale to match the available bandwidth.

Performance – Without the Price

As one of the most cost-effective 10 Gigabit Ethernet switches on the market on a per-port and overall basis, the BlackDiamond 20808 switch offers an unrivaled combination of performance and affordability you need to help boost profitability.

- Lowest cost per 10 Gigabit Ethernet port provides the most affordable per-bit transport

- ExtremeXOS® modular operating system (OS)—the only OS deployable from the edge to the metro core—can reduce network administration costs by requiring that only one operating system be managed across the entire network
- Ethernet Automatic Protection Switching (EAPS) sub-50ms failover capabilities protect against application downtime in the event of a link failure
- Simplified design and intuitive architecture improves management efficiencies

Extended Service Opportunities

With an affordable, scalable, and performance-oriented architecture, BlackDiamond 20808 switches provide the capabilities necessary to expand your service offerings and reach a broad range of new customers.

- Unmatched per-application Quality of Service (QoS) provides up to 250,000 queues in hardware
- Supports the growth of video services with multicast scaling to tens of thousands of streams
- Residential service providers gain the flexibility to offer Internet, IPTV, and IP Telephony over the same network
- Business providers can connect multiple sites with E-Line and E-LAN, and provide Internet and Voice-over-IP (VoIP) services with precise bandwidth control
- Mobile service providers can prepare for the shift in IP service bandwidth demands from 3G deployments and future 4G networks