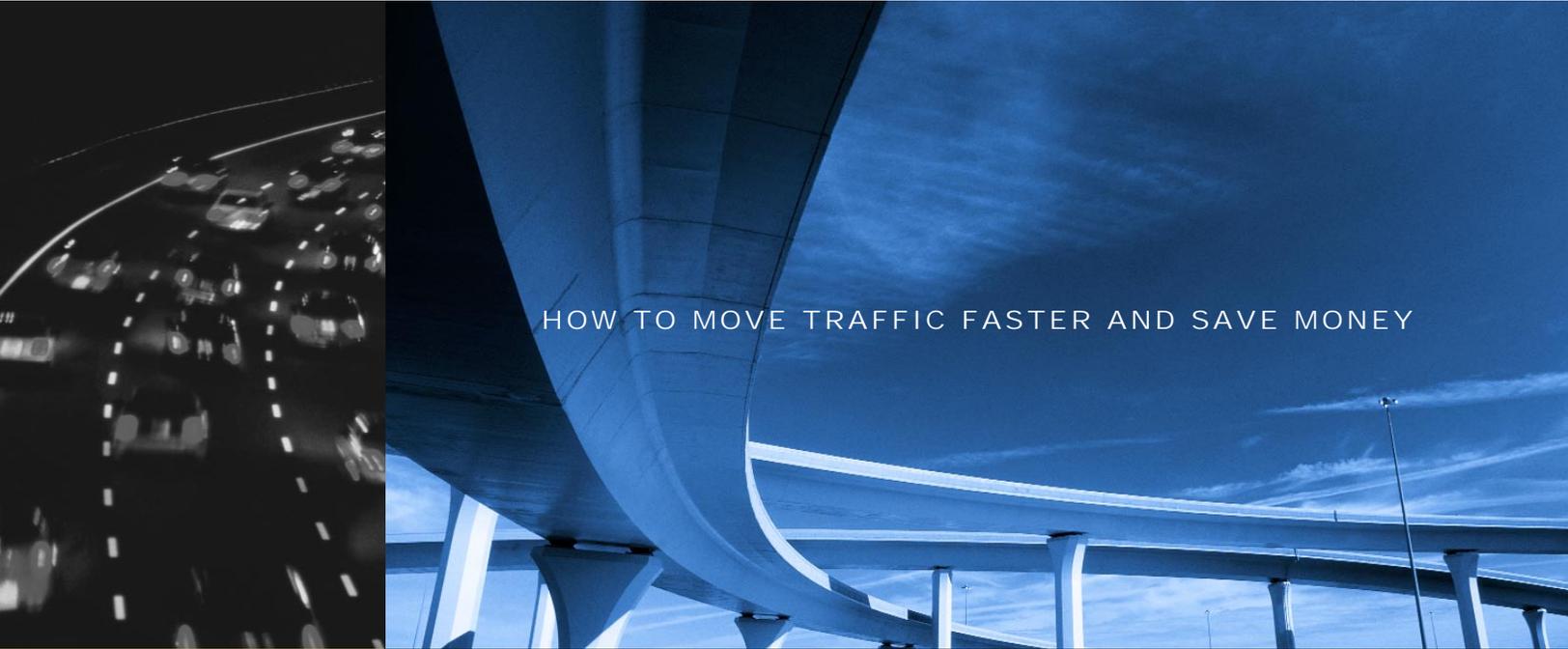


# [ SANbox<sup>®</sup> 5000 Series Stackable Switches ]



HOW TO MOVE TRAFFIC FASTER AND SAVE MONEY

 POWERED BY  
**QLOGIC**

ADD ANOTHER HIGHWAY

  
**QLOGIC**<sup>™</sup>

**SANbox 5000 Series Stackable Switches**

**THE BENEFITS OF STACKABLE IP SWITCHES NOW AVAILABLE FOR SANS**

- Introducing the SANbox 5000 Series, the industry's first Fibre Channel stackable switches

■ **Network administrators** know there are trade-offs required when building a network. Want a cost-effective way to start building a network? Deploy smaller fixed-port switches, but performance and manageability degrade as more switches are added. Want to build a large network? Deploy high port-count chassis switches for greater system availability and fewer points of management, but the cost of entry is high compared to smaller fixed-port switches.

IP networking vendors including Cisco®, Nortel Network® and 3Com® bridged the gap between cost and port density with stackable IP switches, which provided network administrators with a low cost of entry plus scalability to high port-count configurations - without sacrificing performance and manageability along the way. Not surprisingly, stackable switches emerged in 2002 as the best-selling type of IP switches and routers.

Now QLogic introduces the SANbox 5000 Series, the industry's first Fibre Channel stackable switches. SANbox stackable switches deliver the scalability and performance of a chassis switch in a pay-as-you-grow solution.



low cost

• **Incredible Low Cost**

Starting at 8 ports, SANbox stackable switches offer an entry point affordable to the smallest business. And with an easy-to-use graphical user interface (GUI), you won't have to hire a SAN expert to manage your stack.

scalable

• **Modular Scalability**

Grow by adding ports in 8, 12, and 16-port increments, with up to 64 ports in a single stack. Of course you can add, change or delete switches without disrupting your storage network.

easy

• **Breakthrough Ease of Use**

The first Fibre Channel stackable switches to be configured and zoned with simple wizards. Plus, SANsurfer Management Suite™ makes management easy throughout your SAN lifecycle by helping you install, configure, monitor, diagnose and upgrade - all from one application.



interoperable

• **Pervasive Interoperability**

Interoperable with popular servers, storage and networking products from major manufacturers including: ADIC®, Brocade®, Cisco, Computer Associates®, Dell™ EMC®, Emulex™, HDS™ HP®, IBM®, LSI®, McDATA™, Microsoft®, Quantum®, StorageTek®, Sun™ VERITAS®, and many others.

10Gb

• **Blazing 10Gb Performance**

The first SAN product to support traffic between switches, servers and storage at up to 10Gb per second, six times faster than 2Gb networks being deployed today. A single, 10Gb inter-switch link (ISL) ensures low latency between switches, and eliminates the cost and complexity of trunking up to six 2Gb ports.

## SPEND TIME ON YOUR CORE APPLICATIONS, NOT MANAGING YOUR SAN

- SANsurfer Management Suite makes stack management automatic
- by embedding intelligence in the software

■ For IT professionals who don't necessarily want to be SAN experts, SANsurfer device management software from QLogic makes stack management automatic by embedding intelligence into the application. Easy-to-use installation, configuration and zoning wizards eliminate the need for SAN expertise to set up a basic fabric. After installation, SANsurfer provides tools for centralized lifecycle management including configuration, monitoring, service and non-disruptive upgrades for an entire stack.

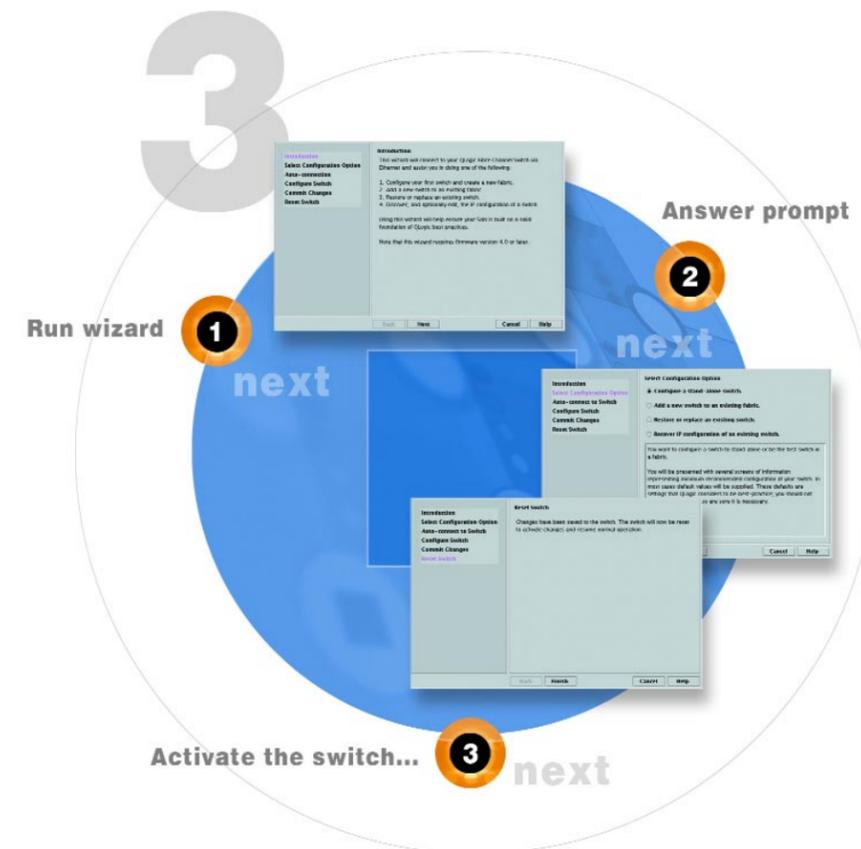
 <p><b>Wizards</b></p> <p>Configuration, security and zoning wizards guide you from one step to the next, making SANbox stackable switches easy to install.</p>	 <p><b>Non-Disruptive Fabric Upgrade</b></p> <p>With non-disruptive code load and activation (NDCLA), you can upgrade and implement new SANbox firmware versions on the fly.</p>
 <p><b>Monitoring</b></p> <p>SANsurfer software will automatically monitor the health of your SANbox switches and notify you if an important event occurs.</p>	 <p><b>Service Dashboard and Tools</b></p> <p>The friendly SANsurfer dashboard and powerful diagnostic tools make every SANbox easy to service.</p>
<p>install</p>	 <p><b>Heterogeneous QLogic Switches</b></p> <p>SANsurfer can manage an entire network of QLogic fixed-port, chassis and stackable switches.</p>

upgrade



## SETTING UP YOUR SAN IS AS EASY AS 1,2,3

- Out-of-the-box simplicity enables you to quickly get up and running



Just add Storage and Servers



scalable

## BUILD SWITCH FABRICS EASILY, QUICKLY AND COST EFFECTIVELY

- Stacking technology speeds implementation and
- dramatically lowers cost

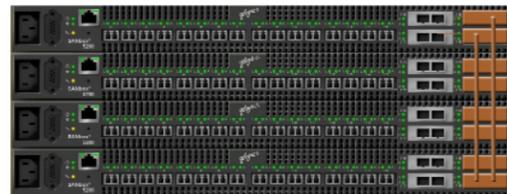
- **Stacking technology** allows you to add-on to your fabric easily with a simple configuration wizard. Adding on to your stack is non-disruptive, making upgrades quick. And stacking technology doesn't waste a single storage or server port, so it's incredibly cost effective.

Below we've built a redundant 64-port storage network using stackable technology and mesh technology and compared the cost. Bottom line: the meshed fabric cost \$30,000 more than a fabric of stackable switches because it used 30 server and storage ports for inter-switch links.

### Connecting Storage and Servers

#### Stackable

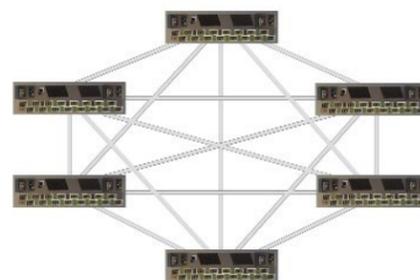
- Servers & Storage Devices: 64
- Switches Required: 4
- User Ports used for ISLs: 0
- Dollars spent on ISLs: \$0



Four switches for 64 ports

#### Fixed Port

- Servers & Storage Devices: 66
- Switches Required: 6
- User Ports used for ISLs: 30
- Dollars spent on ISLs: \$30,000

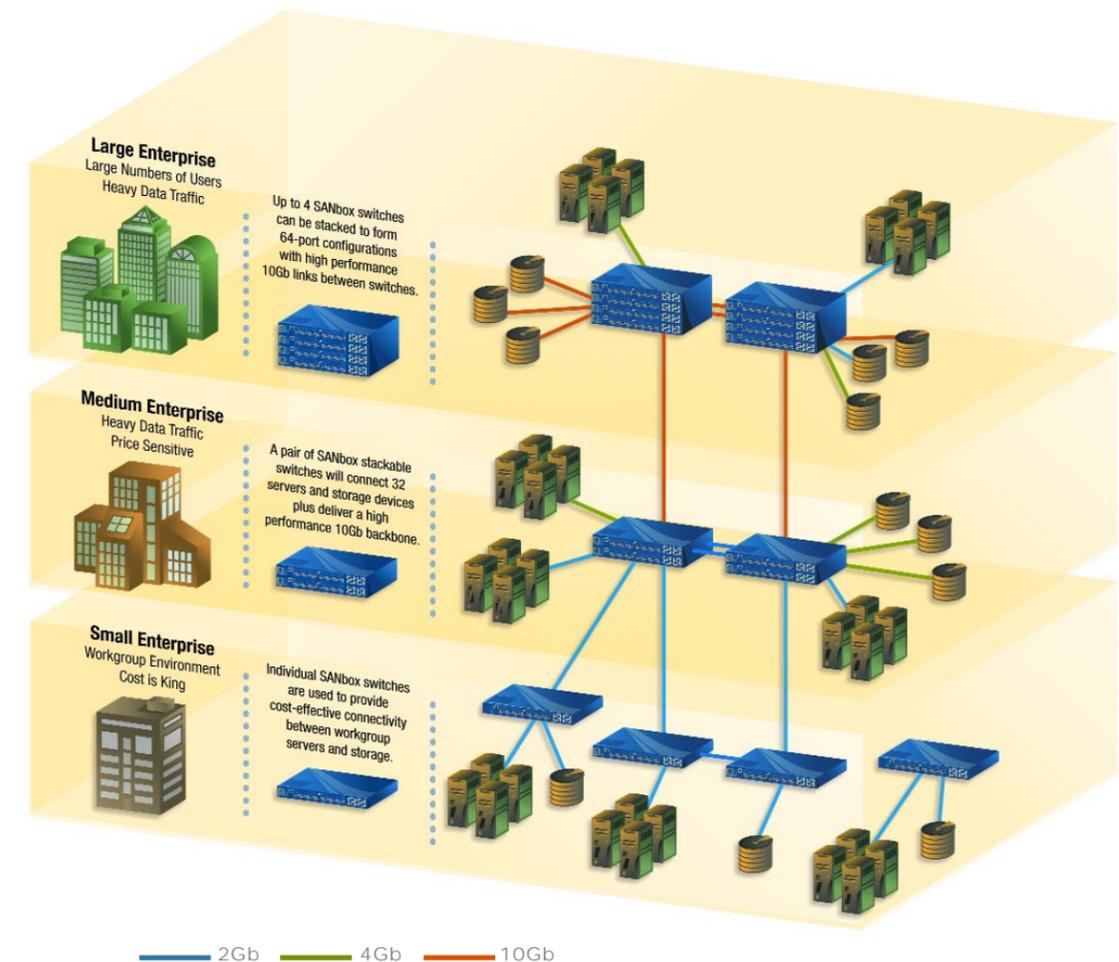


Six switches for 64 ports

## A MODULAR ARCHITECTURE THAT GROWS WITH YOUR BUSINESS

- Scalable from remote workgroup to corporate data center

- Starting at eight 2Gb ports and scaling to sixty four 2Gb ports plus sixteen 10Gb ports, SANbox 5000 Series stackable switches deliver port density and performance that grow cost effectively with your business from remote workgroup to corporate data center.



# SANbox 5000 Series

POWERED BY QLOGIC



## Powered by QLogic

Over 50 million QLogic products have shipped inside servers, workstations, RAID subsystems, tape libraries, disk and tape drives. Powering solutions from the industry's leading storage network providers, QLogic's broad line of controller chips, host bus adapters, storage network switches and management software move data from storage devices through the network fabric to servers.

That's why QLogic is widely recognized as a leader in the market for storage area networking. Recent accolades include:

Member of NASDAQ 100 Index  
Member of S&P 500 Index  
*Barron's* 500  
*Bloomberg* Top 10 High  
Tech Company  
*Business 2.0* 100 Fastest  
Growing Tech Companies

*BusinessWeek* Global 1000  
*BusinessWeek* Hot  
Growth Company  
*Forbes* Best 200 Small  
Companies  
*Fortune's* 100 Fastest  
Growing Companies

*Network Computing*  
• Editor's Choice  
• "Well Connected" Data  
Management and Storage  
Technology Product of  
the Year

Power your SAN with the strength, credibility, market presence, support and award-winning products of QLogic.

Need more information on the SANbox 5000 Series stackable switches?  
Talk to a QLogic sales representative at 800-662-4471 and press 1.



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