



## Baystack Accelar 1000 Series Switches

*Turbo charge your IP and IPX  
networks*

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### Features

- ▶ Turbocharged IP and IPX Networks
- ▶ Hardware-Based Routing and Switching
- ▶ Gigabit Performance with Layer 2, Layer 3 and Layer 4 control
- ▶ Business Critical Resilience
- ▶ Application-Level Prioritization
- ▶ Distributed Access Security

### Overview

The Baystack Accelar 1000 Switches Series delivers the performance of ultra high-speed packet forwarding combined with the control of Internet Protocol (IP) and Internet Packet Exchange (IPX) routing. By delivering extensive bandwidth and intelligence to minimize the impact of broadcast traffic, and support for low-latency, time sensitive multimedia applications, the switch series provides a foundation for future network needs. In addition to supporting 1000 Mbps Gigabit Ethernet technology, the 1000 Switch Series supports conventional 10 Megabits per second (Mbps) Ethernet and 100 Mbps Fast Ethernet connectivity. By offering support at all three speeds, the 1000 Switch Series provides a smooth migration path to 1000 Mbps, while continuing to support existing Ethernet and Fast Ethernet environments.

## Benefits

### Gigabit Performance with Layer 3 and Layer 4 Control

The 1000 Switch Series handles packet forwarding decisions in hardware-based Application-Specific Integrate Circuits (ASICs) instead of assigning them to a Centralized Processor Unit (CPU) as with traditional switches and routers whose performance suffers under heavy network loads. Using a distributed ASICs-based architecture enables wire-speed switching and routing on any port.

Wire-speed filtering is another innovative ASICs feature. Unlike other routing switches, the 1000 Switch Series is able to filter at wire speed. Layer 4 TCP/UDP information can be examined on a packet-by-packet basis, providing advanced "application-based" prioritization and filtering.

## Applications

The 1000 Switch Series can be successfully deployed across the enterprise network, creating numerous topologies.

- For campus backbones burdened with unpredictable intranet traffic flows, the routing switches provide extensive Gigabit Ethernet bandwidth to support policy-based traffic prioritization and graphical VLAN configuration
- For riser connectivity to the network centre, multiple high-density 10/100 Mbps segments can be aggregated into single or multiple Gigabit Ethernet links.
- For central server farms, the routing switches provide maximum throughput with no modification needed in protocol stacks or applications
- Power workgroups gain high-bandwidth Gigabit Ethernet paths to local servers, while wire-speed routing virtually eliminates latency for remote intersubnet sessions
- Wiring closet Layer 2 (data link layer) 10/100 switches can be aggregated into any on of three models, running gigabit, 100Base-TX or 100Base-FX from the wiring closet to the data centre

Accelar 1000 Series Switches				
Gigabit Ethernet Specifications	Fibre Type	Diameter (µm)	Modal Bandwidth (MHz-km)	Distance (metres)
1000BASE-SX	Multimode	62.5	160	2 to 220
	Multimode	62.5	200	2 to 275
	Multimode	50.0	400	2 to 500
	Multimode	50.0	500	2 to 550
1000BASE-LX	Multimode	62.5	500	2 to 550
	Multimode	50.0	400	2 to 550
	Multimode	50.0	500	2 to 550
	Single-Mode	9.0	NA	2 to 5000

## Ordering Information

Item	Code	Price
<b>Accelar 1100 and 1150 Base Units</b>		
XLR1100-B Base Unit with (16) 10/100BASE-TX Ethernet Ports and Single Power Supply	DJ1402*13	
XLR1100R-B Base Unit with (16) 10/100BASE-TX Ethernet Ports and Redundant Power Supply	DJ1402*14	
XLR1150-B Base Unit with (4) 1000BASE-SX Gigabit Ethernet Ports and Single Power Supply	DJ1402*15	
XLR1150R-B Base Unit with (4) 1000BASE-SX Gigabit Ports and Redundant Power Supply	DJ1402*16	
<b>Accelar 1100 and 1150 Gigabit Modules</b>		
XLR1101SX-B 1000BASE-SX Gigabit Ethernet Module Single-Port	DJ1404063	
XLR1101SX-B 1000BASE-SX Gigabit Ethernet Module Dual-Port	DJ1404064	
XLR1102SR-B 1000BASE-SX Gigabit Module with LinkSafe Redundant Connections	DJ1404065	
XLR1101LX-B 1000BASE-LX Gigabit Ethernet Module Single-Port	DJ1404066	
XLR1101LX-B 1000BASE-LX Gigabit Ethernet Module Dual-Port	DJ1404067	
XLR1102LR-B 2-Port 1000BASE-LX Gigabit Module with LinkSafe Redundant Connections	DJ1404068	
XLR1102XD-B 2-Port Long-Distance Gigabit Module, SC Single-Mode Fibre	DJ1404072	
<b>Item</b>	<b>Code</b>	<b>Price</b>
<b>Accelar 1100 and 10/100BASE-TX and 100BASE-FX Modules</b>		
XLR1108TX-B 8-Port Autosensing 10/100BASE-TX Ethernet Module	DJ1404069	
XLR1104FX-B 4-Port 100BASE-FX Ethernet Module	DJ1404070	
XLR1108FX-B 8-Port 100BASE-FX Module 1, with MT-RJ Connectors	DJ1404071	
<b>Accelar 1050 and 1051 Fixed-Configuration Units</b>		
XLR1050-B 12-Port 10/100BASE-TX with 1-Port 1000BASE-SX Gigabit Ethernet	DJ1401*06	
XLR1051-B 12-Port 10/100BASE-TX with 1-Port 1000BASE-SX Gigabit Ethernet with LinkSafe Redundant Connections	DJ1401*08	
XLR1299PC PCMCIA Flash Memory Module	DJ0011001	

*Replace \* with the relevant country code. See above list at left.*