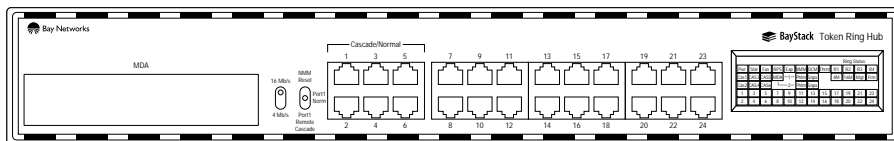# Bay Networks Hot Sheet

BayStack
Token Ring Hub

BayStack

White Hot Reasons to Choose the BayStack Token Ring Hub

- **Designed with Switching in Mind:** Through its MultiRing Expansion™ and port switching capabilities, a BayStack™ Token Ring hub can support up to 48 independent rings that are managed with a single network management module (NMM). This microsegmentation, combined with switching, can dramatically boost bandwidth to the desktop.

- **Adaptable to Evolving Needs:** A variety of enhancements — including network management, port switching, multiple ring microsegmentation, and distributed stacking — can be added incrementally to improve functionality.

- **Optivity Management Delivers Maximum Configuration Flexibility:** Optivity® tools such as LANarchitect™ allow simple point-and-click network redesigns from a remote location.

- **Data Center Reliability in the Wiring Closet:** Fault recovery/tolerant features such as hardware beacon resolution, Dual Digital Phase Locked Loop active retiming, and a hot-stackable function deliver unprecedented reliability.

- **Comprehensive Token Ring Solution:** Bay Networks has all the pieces — switches, routers, hubs, probes, Internet access devices, and network management — required to build an enterprise Token Ring network encompassing everything from the network center to the wiring closet to the remote office.

- **Token Ring Market Leadership:** Bay Networks is *the* market leader in Token Ring switching, shared media, and network management.

BayStack Token Ring Beats the Competition

How well do other solutions integrate into a switched architecture?

No competitive solutions have the ability to support microsegmentation and port switching — two key features required for designing a switched architecture.

What level of integrated shared/switched management does the competition provide?

Only Bay Networks offers Autotopology™ a unique mapping feature that enables users to map and monitor the dynamic interaction between switched and shared devices. Moreover, only BayStack Token Ring hubs support RMON2 management for Layer 3 and above traffic analysis — essential to determining application usage on the network.

How adaptable are other solutions?

Besides the fact that competing solutions can't adequately support switched architectures, they're also not as flexible as the BayStack solution:

- **No distributed stacking:** Other stackable hubs can't support a managed stack distributed across several wiring closets or floors.

- **Inflexible management:** No other stackable solution offers three options for network management. Each option is upgradable from one to the next. Plus, no other solutions offer an upgrade to wire-speed RMON or RMON2.

Sizzling Feature Comparisons

Features	BayStack Token Ring	3Com FMS-TR	IBM CAU (8230)	IBM 8238	Cabletron MicroMMAC	Madge CAU/RAM
Wire-speed RMON probe?	**Yes**	No	No	No	No	No
Autotopology?	**Yes**	No	No	No	No	No
RMON Capture and Filter?	**Yes**	Yes	No	Yes	Yes	No
RMON2 support?	**Yes**	No	No	No	No	No
Auto-speed detection?	**Yes**	Yes	Yes	Yes	Yes	Yes
Port switching?	**Yes**	No	No	No	No	No
MultiRing support?	**Yes**	No	No	No	No	No
Maximum port density	**288**	260	92	128	120	80
Port count per stackable	**24**	12 or 24	Up to 20	16	12 or 24	20
Category 5 UTP cascading up to 100 meters?	**Yes**	No	No	No	No	No
802.5j trunk and station support?	**Yes**	No	No	No	No	No
Hardware beacon removal?	**Yes**	Yes	No	No	No	No
Ships with 4 MB DRAM?	**Yes**	No	No	No	No	No

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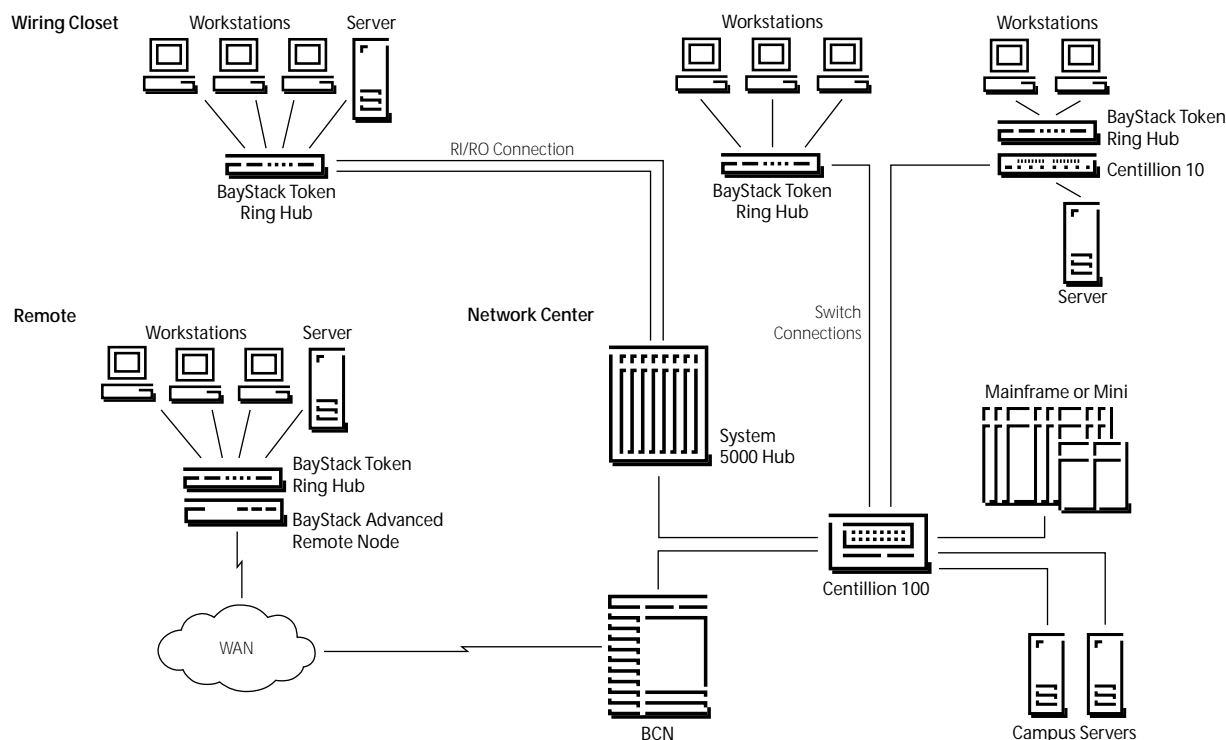
Bay Networks Hot Sheet

Ordering Information

Order No.	Description
CP1101x01*	BayStack 501 Token Ring Hub with 24 RJ-45 UTP/STP Ports, 1 MDA Slot, 1 Expansion Slot
CP1101x02*	BayStack 502 Token Ring Hub with 24 RJ-45 UTP/STP Ports, 1 MDA Slot, 1 Expansion Slot, and Standard NMM
CP1101x03*	BayStack 503 Token Ring Hub with 24 RJ-45 UTP/STP Ports, 1 MDA Slot, 1 Expansion Slot, and Advanced NMM
CP1101x04*	BayStack 504 Token Ring Hub with 24 RJ-45 UTP/STP Ports, 1 MDA Slot, 1 Expansion Slot, Advanced Analyzer NMM, and Data Collection Module (DCM)
CP1133001	BayStack Token Ring Fiber MDA
CP1133002	BayStack Token Ring Copper MDA
CP1111001	BayStack Token Ring MultiRing Expansion Module
RPSU	Redundant Power Supply Unit
Upgrades	
CP1107001	Standard NMM Upgrade Kit
CP1107002	Standard to Advanced Analyzer Upgrade Kit
CP1107003	Standard to Advanced Upgrade Kit
CP1107004	Advanced to Advanced Analyzer Upgrade Kit

*The seventh character (x) of the order number must be replaced with the proper code to indicate desired power cord nationalization preference, as indicated below:

"A" No power cord included; "B" includes European "Schuko" power cord common in Austria, Belgium, Finland, France, Germany, The Netherlands, Norway, and Sweden; "C" includes power cord commonly used in the United Kingdom and Ireland; "D" includes power cord commonly used in Japan; "E" includes North American power cord; "F" includes Australian power cord, also commonly used in New Zealand and the People's Republic of China

Typical BayStack Token Ring Hub Applications

Bay Networks
P e o p l e   c o n n e c t   w i t h   u s

Call your Bay Networks sales representative or ask your local reseller for Bay Networks products.

HS510-2568WW-A