



SCinet 2005 Network Service Offerings

SCinet, the High Performance Network Committee for SC2005, provides all network connectivity for SC2005 Industry and Research Exhibitors both within the Washington State Convention and Trade Center and to many wide area networks. SCinet will provide three separate networks in 2005. The first, and most common, is the commodity network, a dedicated connection from the Washington State Convention and Trade Center to an Internet Service Provider. Distribution of this service will be provided through both traditional LAN and wireless (IEEE 802.11a/b/g) services. The second is the high-performance show floor network, a robust and production-ready network capable of supporting very high bandwidth connections among Exhibitors, and external connections to various national networks. The third network is the eXtreme Network (XNET), a leading- (and often bleeding) edge network where next generation network technology is demonstrated in its early form. SCinet also supports OpenIB and custom fiber requests including dark fiber.

SCinet Dates to Remember

- Bandwidth Challenge Notice of Intent Due July 29
- Bandwidth Challenge Proposals Due Sep 1
- Connection Registration Open July 31-Oct 1
- Late Connection Registration Closes Oct 23
- SCinet Networks Operational Nov 10-17

As an Exhibitor, it is your responsibility to request one or more network connections.

All network connection requests must be made through completion of the network connection request form at: <http://scinet.supercomp.org/>. Refer to the SCinet 2005 Connection Request Form in this Exhibitor Kit for additional information.

For the SC2005 Conference, SCinet offers the following LAN-based network services. For more information about SCinet wireless network services, please refer to the SCinet 2005 Wireless Network Service Policy.

Wireless^[1]

Ubiquitous IEEE 802.11a/b/g service throughout the meeting rooms, common areas, and exhibit floor space.

Ethernet^{[2][3]}

1000BaseSX (multi-mode fiber) (1500 or 9000-byte Ethernet frames)

1000BaseLX (single-mode fiber) (1500 or 9000-byte Ethernet frames)

10GBase-LR (single-mode fiber) (1500 or 9000-byte Ethernet frames)

Dark Fiber^[4]

single-mode fiber only

OpenIB.org InfiniBand

4X InfiniBand SDR (multi-mode MTP fiber)

Unless otherwise specified, all fiber is terminated in your booth with an SC fiber optic connector. Exhibitors are responsible for providing any inter-series adapter or patch cables necessary to attach your end equipment.



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Network and OpenIB connections are charged at a flat rate of \$1500. Any new requests or modification to existing network connection requests made *after October 1, 2005* will incur an additional \$1000 late fee. No additional connection requests can be accommodated after November 10. Modification to the specific location of individual drop requests will be accepted without penalty through October 23, 2005. Special requests for connection services will be negotiated separately.

Please submit any questions specifically concerning registration for SCinet network connection services to registration@scinet.supercomp.org.

Notes:

- [1] Native IPv4 and IPv6 Unicast provided by default, with automatic address allocation from the network.
- [2] Native IPv4 Unicast, IPv4 Multicast, and IPv6 Unicast provided by default. Router-to-router connections (IPv4 /30) and subnet routing options supported.
- [3] Private 802.1q VLAN trunking supported between booths on request.
- [4] All dark fiber will be run through the SCinet NOC patch panels, where it will be terminated and cross-connected. Cost is assessed on a per-booth basis on each span to the SCinet NOC. Cross-connects within the SCinet NOC are included in the span charge.