

Current Network Access Device (Switch) Standard 11/2007

TD maintains over 1800 devices on RUNet, and strives to ensure standards to maximize our toolset and resources. We regularly review hardware for fitness, suitability, and end-of-life. Minimizing device types throughout the network reduces support problems and increases efficiency.

Our analysis considers current and long-term requirements to support data/voice/and video. TD has standardized on two flavors for access infrastructure on RUNet:

For Fiscal year 2007/2008, TD has standardized on the following access solutions:

Cisco 3750: Port capacity 48 or <

See <http://www.cisco.com/en/US/products/hw/switches/ps5023/index.html>

(Available in 24 and 48 port)

Cisco 4500 series: Port capacity 48 + (with Supervisor 2+)

See <http://cisco.com/en/US/products/hw/switches/ps4324/ps4333/index.html>

Both devices have been tested and perform well on RUNet. Each device has been selected based on its (1) ability to support the current bandwidth requirements (minimum 2MB per port); (2) high speed backplane; (3) best price point for managed device; (4) ability to support high bandwidth demand applications (QOS/COS strategies and PoE capabilities).

**For information regarding data center switches, please contact the Network Operations Center at noc@rutgers.edu or 732.445.7541.