

internet services

Access Options

Contact an Internap Representative at 877.843.7627 to find out what access options are available in your area.

Connectivity	Bandwidth Capacity	Specification	Description
T1/E1	1.54 Mbps / 2.048 Mbps	Digital Signal 1 (also referred to as T1/E-Carrier 1)	Digital Signal 1 (DS1), also referred to as T1 (the physical cabling transport DS1 signaling scheme runs on) is a carrier signal standard created by Bell Labs. T1 is used largely in North America. E1, standardized as part of the E-carrier system by the European Conference of Postal and Telecommunications Administrations (CEPT), is utilized largely outside North America.
10Base-T (Ethernet over Copper), 10Base-FL	10 Mbps / 20 Mbps	Ethernet standard based on IEEE 802.3ah standard	Ethernet standard on twisted, insulated copper pairs. Handles numerous data and file types, including VoIP, and rich media formats, such as video. Twisted, multiple pairs design provides greater inherent reliability. Presents alternative local loop option, though distance limitations apply. 10Base-FL Ethernet standard based on multi-mode optical fiber. Distance variation based on half or multi-duplex aspects.
Fractional DS3 / Full DS3 / E3	3 Mbps to 45 Mbps / 34 Mbps	Digital Signal 3 / E-Carrier 3	Digital Signal 3 (DS3), also known as T3, is a carrier signal standard created by Bell Labs. DS3 is the equivalent to 28 DS1 or T1 lines and can theoretically handle as many as 672 simultaneous voice conversations. DS3 is fully symmetrical allowing 45 Mbps upload and download. E3, standardized as part of the E-carrier system by the European Conference of Postal and Telecommunications Administrations, is utilized largely outside North America. The E-carrier system, and E3, utilizes multiplexed signals from lower level E-carrier signals.
100Base-T, 100Base-FX	100 Mbps	Ethernet standard based on IEEE 802.3ah standard	100Base-T Ethernet standard on twisted, insulated copper pairs. Handles numerous data and file types, including VoIP, and rich media formats, such as video. Twisted, multiple pairs design provides greater inherent reliability. 100Base-FX Ethernet standard on multi-mode optical fiber. Distance variation based on half or multi-duplex aspects.

Additional Internap Features

- Redundant, high-speed connections to major Internet backbones
- All facilities utilize Internap's patented Managed Internet Route Optimizer™ (MIRO), Intelligent route-control technology which dynamically identifies optimized paths for your Internet applications
- Proactive industry-leading Service Level Agreement (SLA) based on a 100 percent network uptime
- Direct access to certified network engineers
- World-class 24x7x365 Network Operations Center (NOC)

Benefits

- Operational continuity for your applications
- Increased revenue opportunities and higher customer satisfaction via a stable customer Internet experience
- Reduced internal costs associated with network management
- Freedom from managing connectivity complexity and network service

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Connectivity	Bandwidth Capacity	Specification	Description
OC3	155 Mbps	Optical Carrier 3 Fiber Optics	Standardized Optical Carrier standard for transmission of digital signals on Synchronous Optical Networking (SONET) fiber optic networks. The rate of the digital signal's bitstream is calculated on a base "OC" unit of 51.84 Mbps multiplied by the associated numeric value.
OC12	622 Mbps	Optical Carrier 12 Fiber Optics	Standardized Optical Carrier standard for transmission of digital signals on Synchronous Optical Networking fiber optic networks. The rate of the digital signal's bitstream is calculated on a base "OC" unit of 51.84 Mbps multiplied by the associated numeric value.
GbE or 1 GigE 1000Base-X and 1000Base-T	1 Gbps or 1000 Mbps	Ethernet standard based on IEEE 802.3-2008	GbE or 1 GigE describes various technologies for sending Ethernet frames at the rate of 1 gigabit per second. 1000Base-X single-mode and multi-mode optical fiber as the physical transport medium is supported. 1000Base-T Ethernet standard on twisted, insulated copper pairs is also supported. Handles numerous data and file types, including VoIP, and rich media formats, such as video. Twisted, multiple pairs design provides greater inherent reliability.
10GbE	10 Gbps	Ethernet standard based on 802.3ae-2002 (fiber -SR, -LR, -ER and -LX4 PMDs)	10GbE or 10 GigE describes various technologies for sending Ethernet frames at the rate of 10 gigabit per second. 10GbE or '10G' optical fiber. Single-Mode Fiber (SMF) supported. Standard 10 Gbps port type is "Long-Range" or LR. "Extended Range" and ZR ports supported case-by-case. "Short-Range" or SR ports are not supported.

Why Internap

Internap is a leading Internet products and services company that provides *The Ultimate Online Experience®* by managing, delivering and distributing applications and content with 100 percent uptime service level agreements. With a global platform of data centers, managed hosting and managed Internet services along with a content delivery network, Internap frees its customers to innovate, improve service levels, and lower the cost of IT operations. Thousands of companies across the globe trust Internap to help them achieve their Internet business goals.

