

EXPLORE ENDLESS POSSIBILITIES

# NDIX' 100 GBIT/S CONNECTION



**Embrace the potential of a 100 Gbit/s connection from NDIX for your business, propelling you into a new era of high-speed connectivity. With increased bandwidth, effortlessly handle data demands and accommodate growing users and applications. Upgrade to stay ahead of the competition, supporting data-intensive operations and enjoying smoother, faster data transfers.**

Scale your infrastructure seamlessly as your business grows, integrating new locations, services, and users. Benefit from enhanced performance and reduced latency, meeting the demands of real-time applications and providing superior services to your customers. Demonstrate a commitment to technological advancement and position your business for success. Unleash the unrivaled speed, scalability, and performance of a 100 Gbit/s connection and EXPLORE ENDLESS POSSIBILITIES!

#### **Increased Bandwidth**

Moving to a 100 Gbit/s connection provides a significant increase in bandwidth compared to lower-speed options. This expanded bandwidth allows businesses to handle higher volumes of data and support more users, applications, and services simultaneously. It ensures smoother and faster data transfers, resulting in improved productivity and user experience.

#### **Improved Performance**

Higher bandwidth translates into improved network performance. A 100 Gbit/s connection reduces latency, enhances responsiveness, and minimizes data transfer delays.

Real-time applications like video conferencing, cloud-based collaboration tools, and live streaming benefit from faster and more reliable data transmission.

#### **Scalability**

The scalability of a 100 Gbit/s connection is advantageous for businesses anticipating growth or experiencing frequent spikes in network traffic. It provides ample room for expanding operations, accommodating additional users, locations, and supporting new services. Upgrade to 100 Gbit/s to scale your network infrastructure effortlessly as your business evolves. Moreover, for even higher capacity needs, speeds up to 400 Gbit/s are also available to cater to the most demanding network requirements.

#### **Grow With Your Business**

As businesses generate and consume more data, the need for greater bandwidth becomes critical. With a 100 Gbit/s connection, you can meet the increasing data demands of modern applications, cloud services, and multimedia content without experiencing performance bottlenecks. Future-proof your network infrastructure to handle evolving data requirements seamlessly.

# Technical Specifications

## Technical Specs

### WDM

- Supported Ethernet Speeds: 1, 10, 40, 100, 400G Ethernet
- Dedicated Bandwidth
- Jumbo Frames Supported
- P2P Connectivity
- Optional Redundancy

### MPLS

- 1 up to 50G Ethernet
- Layer 2 VLAN's
- Q-in-Q Tunneling Supported
- Jumbo Frames Supported
- Tagged or Untagged Options Available
- Optional Redundancy

## Applications

### WDM

- Datacenter Interconnect
- Backbone Services
- Bulk Transit/Peering Traffic
- Site-to-Site Connections
- Private Cloud Connectivity
- Large Backup Synchronization

### MPLS

- Datacenter Interconnect
- Peering
- Point-to-Point
- Point-to-Multipoint Connections
- Private LAN
- Redundant Cloud Connectivity (including: Amazon AWS, Google, Azure, Oracle, IBM, Alibaba, Salesforce, Cloudflare and more)
- ISP Service Port

## Availability

### WDM

- 10+ Locations with Readiness up to 400G
- Entire NDIX Network Ready at 10G, 100G available on Demand
- DWDM (Dense Wavelength Division Multiplexing) possible at Customer Sites

### MPLS

- Entire NDIX Network Supports up to 10G
- 20+ Locations with Readiness up to 50G
- MPLS Customer Premises Equipment Available

## Advantages

### WDM

- Fixed Low Latency
- Predictable Jitter
- Managed Solution
- High Bandwidth Capacity
- Optional Encryption
- Premium SLA (4H response time)
- 24/7 In-House Optical Support Team
- Dedicated Wavelength

### MPLS

- Automatic Redundancy with Multiple Paths
- Flexible Setup Options
- Support for Multiple Services per Port
- Multiple SLA Options
- Connectivity to 100+ Service Providers
- 3000+ Customers Connected
- Dedicated 24/7 Network Operations Center (NOC)
- Private Layer 2 Network