Toronto Internet Exchange Community

Port Services & Pricing Guide

2.3 Tbps

Peak Traffic

270

Organizations

312

Networks

Canada's Largest Internet Exchange Point

Connecting you to what matters. The Toronto Internet Exchange Community is Canada's largest IXP, one of the largest in the world and a critical interconnection point for organizations connecting Canadians to each other and to the world.

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Contact Information

Have questions about how TorIX can provide services for your network? We're here to help connect you to Canada's largest Internet Exchange.

General Inquiries & Peering

For questions about services, connectivity options, peering opportunities, and how to connect to TorIX:

Email: **peering@torix.ca**

Website: **www.torix.ca**

Sales & New Services

Interested in connecting to TorIX or upgrading your existing service? Our team can help you find the right solution for your network requirements.

Email: **peering@torix.ca**

Billing & Finance

For invoicing, payment questions, billing support, and account management:

Email: **billing@torix.ca**

Technical Support & Provisioning

For technical assistance, provisioning requests, cross-connect coordination, and operational support:

Email: **support@torix.ca**

Network Operations Center (NOC)

For urgent technical issues, outages, or time-sensitive operational matters:

Email: **noc@torix.ca**

Get Started

Ready to connect to TorIX? Here's how:

01

Initial Consultation

Contact our peering team to discuss your connectivity needs

02

Service Selection

We'll help you choose the right port speed and connection type

03

Technical Coordination

Our provisioning team will guide you through the setup process

04

Activation

Get connected to 270+ organizations and 312 networks

TorIX Connection Facilities

TorIX maintains presence at multiple carrier-neutral facilities across Toronto, providing flexible connectivity options through Core Nodes and Edge Nodes.

151 Front Street West, Toronto

Core Node Locations:

- Cologix (Standard Connections)
- Equinix TR1
- Telehouse AMMR

Edge Node Locations:

- Neutral Data Centres (Suite 800/808)
- Frontier Networks (Suite 824)
- Coloware (Suite 504 & Suite 806)

Other Connections within 151 Front St. West:

- Via Building Meet-Me-Rooms (BMMR) to Cologix
- Via Building Meet-Me-Rooms (BMMR) to Telehouse AMMR

45 Parliament Street, Toronto

Core Node Location:

- Equinix TR2

250 Front Street West, Toronto

- Via Building Meet-Me-Room (BMMR)

905 King Street, Toronto

- Via Building Meet-Me-Room (BMMR)

400 Gigabit Services

400 Gigabit service provides high-capacity connectivity, delivering maximum throughput and performance. This service tier offers bandwidth capacity for demanding network applications.

Service Level	Port Type	Annual Fee	Redundant Port Add-on
400 Gigabit	Standard Port	$35,000	+ $11,250

The 400 Gigabit Standard Port provides the highest single-port capacity available, supporting hyperscale operations and extreme bandwidth requirements. The optional redundancy ensures maximum uptime and burst capability.

100 Gigabit Services – LR1 Optic

100 Gigabit LR1 services provide cost-optimized high-capacity connectivity using single wavelength technology and modern, efficient optics.

Service Level	Port Type	Annual Fee	Redundant Port Add-on
100 Gigabit	1x LR1 Optic	$12,000	+ $3,750
2x 100 Gigabit	2x LR1 Port Bundle	$20,400	+ $6,250
3x 100 Gigabit	3x LR1 Port Bundle	$28,800	+ $8,750
4x 100 Gigabit	4x LR1 Port Bundle	$36,000	+ $11,250

100G LR1 (Cost Optimized): Uses a single wavelength (Single Lambda). This newer standard allows for significantly lower port fees but requires specific "LR1" or "DR1" optics on your router.

100 Gigabit Services - LR4 Optic

Our 100 Gigabit LR4 services utilize the industry-standard four-wavelength technology, ensuring broad compatibility with existing network infrastructure. These services provide reliable, high-performance connectivity with proven technology.

Service Level	Port Type	Annual Fee	Redundant Port Add-on
100 Gigabit	1x LR4 Optic	$15,000	+ $3,750
2x 100 Gigabit	2x LR4 Port Bundle	$25,000	+ $6,250
3x 100 Gigabit	3x LR4 Port Bundle	$35,000	+ $8,750
4x 100 Gigabit	4x LR4 Port Bundle	$45,000	+ $11,250

100G LR4 (Standard): Uses 4 distinct wavelengths (lanes). This is the legacy industry standard and is compatible with the vast majority of existing router hardware.

Burstable 100G Services

Burstable 100G services provide high-capacity connectivity through flexible sub-rate options. These services enable phased deployment and scaling of 100G infrastructure.

Service Level	Port Type	Annual Fee	Redundant Port Add-on
Burstable 100G	LR1 Sub-Rate (30G)	$7,500	N/A
Burstable 100G	LR4 Sub-Rate (30G)	$9,000	N/A

Note: Redundant Add-on is not available for Burstable 100G services.

25 Gigabit Services

The 25 Gigabit service provides substantial bandwidth capacity, balancing performance with efficiency.

Service Level	Port Type	Annual Fee	Redundant Port Add-on
25 Gigabit	Standard Port	$3,500	+ $1,500

10 Gigabit Services

10 Gigabit services provide industry-standard connectivity. These services offer reliable, high-performance connectivity.

Service Level	Port Type	Annual Fee	Redundant Port Add-on
10 Gigabit	Standard Port	$1,750	+ $750
2x 10 Gigabit	2x Port Bundle	$3,500	+ $1,500

The 2x Port Bundle option provides enhanced capacity and built-in load balancing capabilities, supporting additional throughput or traffic distribution across multiple interfaces.

Burstable 10G Services

Burstable 10G provides access to 10 Gigabit infrastructure with flexible pricing.

Service Level	Port Type	Annual Fee
Burstable 10G	Sub-Rate (1G)	$750

Service Characteristics

- Full physical line rate available
- No traffic policing or packet drops
- Flexible capacity utilization
- Automatic scaling based on usage

Billing Policy

Burstable 10G services are billed based on actual usage measured at the 95th percentile. Customers whose traffic consistently exceeds 1 Gbps at the 95th percentile will be transitioned to the full-rate 10 Gigabit service pricing.

Note: Redundant Port Add-on is not available for Burstable 10G services.

Technical & Service Definition

Flexible Burstable Ports (Sub-Rate)

Burstable options (e.g., 10G sub-1G, 100G sub-30G) are not hard rate-limited, unlike traditional "capped" services.

Line Rate Capability

The full physical line rate (10Gbps or 100Gbps) is available at all times. Traffic is not policed or dropped during momentary spikes.

Usage-Based Scaling

Usage is monitored via the 95th percentile rule. If sustained monthly traffic exceeds the burstable threshold (e.g., >1Gbps or >30Gbps), the service is upgraded to the next full pricing tier. This mechanism supports early adoption of high-speed ports.

Redundancy & Bursting (Redundant Ports)

"Redundant Port" ports are physically diverse secondary connections. They facilitate two primary usage scenarios focused on reliability and performance:

01

Resilience (Failover)

Provides a physically separate path to the exchange. In the event of a fiber cut or hardware failure on the Primary link, traffic automatically reroutes to the Redundant Port to maintain uptime.

02

Burst Capability (Active-Active)

The Redundant Port port can be utilized for traffic bursting during peak intervals. This effectively doubles the physical interface capacity, allowing sudden traffic spikes to be absorbed without packet loss.

Note: Combined traffic across Primary and Redundant Port ports is aggregated for billing purposes.

Optics & Interface Requirements

General Optics Policy

TorIX provides optics on the exchange side of the connection. Customers are responsible for providing optics on their equipment side. All connections utilize single-mode fiber infrastructure.

Required Specifications:

- Single-mode fiber connections
- 10KM optics recommended
- BIDI optics are not availble
- Long-reach optics are not available

Design Philosophy:
TorIX infrastructure is designed for proximity. Customer equipment should be located close to exchange switching infrastructure to ensure optimal performance and reliability for all participants. This approach eliminates the need for extended-reach optics and maintains consistent performance characteristics across all connections.

100G Interface Types: LR4 vs. LR1

Two distinct 100G service types are available. Verify hardware compatibility prior to implementation.

100G LR1

Utilizes a single wavelength (Single Lambda). This newer standard features lower port fees but requires specific "LR1" or "DR1" optics on the router.

- Single wavelength technology
- Lower port fees
- Requires LR1 or DR1 compatible optics
- Modern standard

100G LR4

Utilizes four distinct wavelengths (lanes). This is the industry standard and offers broad compatibility with existing router hardware.

- Four wavelength technology
- Industry standard
- Broad hardware compatibility
- Proven reliability

Cross Connection Options

Direct Connect refers to customers ordering a circuit directly to TorIX infrastructure. MMR connection pricing is provided on a quote basis.

In-Suite Direct Cross Connect

For in-suite connections, customers order cross-connects directly from their colocation provider. TorIX does not charge connection fees for these services.

Facility	Connection Location	TorIX Fee
Coloware (151 Front St. W.)	In-Suite	No Charge
Equinix TR1 (151 Front St. W.)	In-Suite	No Charge
Frontier Networks (151 Front St. W.)	In-Suite	No Charge
Neutral Data Center (151 Front St. W.)	In-Suite	No Charge
Equinix TR2 (45 Parliament St.)	In-Facility	No Charge

MMR Connections

Facility	Connection Location	Pricing
151 Front St. W.	MMR1	Quote Based
151 Front St. W.	MMR2	Quote Based
151 Front St. W.	AMMR	Quote Based
250 Front St. W.	MMR	Quote Based
905 King St. W.	MMR	Quote Based
45 Parliament St.	External / Non-Tenant	Quote Based

Cross Connect FAQ

TorIX operates a carrier-neutral exchange model, present in multiple facilities. Physical connection to the core network is categorized based on equipment location relative to TorIX switching infrastructure.

The distinction between a Direct Cross Connect and an MMR Connection defines the required physical setup.

1. Direct Cross Connect

Applicability: Equipment located within the same suite as the TorIX switch.

This connection method utilizes a single fiber path directly from the equipment rack to the TorIX port due to close physical proximity to the TorIX infrastructure.

- **Physical Path:** Rack → Facility Tray → TorIX Switch.
- **Fees:**
  a. TorIX Port Fee (billed by TorIX)
  b. Standard Cross-Connect (billed by the facility provider, if applicable)

2. MMR Connection

Applicability: Connection via a facility's central Meet-Me-Room(s).

In facilities with a central Meet-Me-Room (MMR), this method is employed when equipment is not in the same suite as TorIX. It necessitates two separate fiber segments bridged within the MMR.

- **Physical Path:** Rack → MMR ↔️ MMR ← TorIX Switch.
- **Fees:**
  a. TorIX Port Fee (billed by TorIX)
  b. MMR Extension Fee (billed by TorIX) – Covers fiber capacity connecting the TorIX core to the MMR.
  c. Facility Cross-Connect (billed by the facility) – Covers the fiber link from the equipment rack to the MMR.

Why is there an "MMR Extension" Fee?

In a Direct connection, equipment connects directly to TorIX hardware. In an MMR scenario, TorIX maintains leased fiber assets or structured cabling to extend network reach from its suite into the building's common interconnection area. The MMR Extension Fee covers the maintenance and capacity of this specific fiber path.

> **Note:** TorIX does not control or invoice "Facility Cross-Connect" fees. These are physical cabling charges billed directly by the data center provider.

External & Active MMR Access

Connections to TorIX from outside the primary facility (e.g., via a loop provider or diverse fiber path) are classified as Extended Connections. The provider used to reach TorIX typically interfaces in the MMR, requiring TorIX to connect at that demarcation point.

Connectivity

We support all types of connection scenarios. We can provide insight into local interconnect options and help streamline your port activation. We remain strictly provider-agnostic, focusing solely on the most efficient technical path for your deployment. Contact us to coordinate your connection

Billing & General Information

Currency Policy (CAD Only)

All services are priced, invoiced, and must be paid in Canadian Dollars (CAD).

Payments in USD or other foreign currencies are not accepted. Remittance must be in Canadian funds to avoid processing delays or exchange rate discrepancies.

Tax Applicability (13% Ontario HST)

All TorIX services are physically rendered in Toronto, Ontario. Under Canadian tax law (Place of Supply rules), the Ontario HST rate of 13% applies to all invoices.

- **Mandatory Application:** This rate applies irrespective of customer location. The 13% Ontario rate is required by law for all transactions.

Default Billing Cycle

All Port Service Fees are billed on a Yearly basis by default.

Semi-Annual billing is supported for eligible services. This payment frequency must be arranged prior to service activation or renewal.

Pricing Validity

Rates are subject to confirmation at the time of order. Quotes reflect current service offerings; older pricing schedules may be in circulation but are not definitive.

Billing Support

For inquiries regarding invoices or payment options, contact the finance team directly at billing@torix.ca.

Payment Methods

- **Credit Card:** Visa, Mastercard
- **Electronic Transfer:** Wire Transfer, E-Transfer, EFT

Note Regarding Cheques: Effective January 1st, 2026, a fully digital payment model has been implemented, and paper cheques are no longer be accepted. Electronic payment methods must be utilized.