Dedicated Ethernet

Reliable, high-performance connectivity at global scale.

As AI and data-driven workloads grow, you need network performance you can trust. Dedicated Ethernet delivers assured, uncontended connectivity across a truly global footprint, purpose-built for mission-critical applications.

Our service provides reliable, high-performance Ethernet over multiple carrier-grade platforms, including DWDM, OTN, MPLS-TP and SONET/SDH.

With access to 60+ subsea and terrestrial cables and standard Ethernet interfaces, it integrates seamlessly into your existing network – simple, predictable and ready to scale.

Why choose PCCW Global's
Dedicated Ethernet

Committed throughput: No congestion or contention for capacity. Eliminates bottlenecks.

Predictable & reliable: Delivers an assured quality of service with 99.99% service availability.

Greater choice: Access to 60+ subsea and terrestrial cables, and a diverse choice of PoPs in key cities and countries.

Comprehensive SLAs: Experience decreased latency, packet loss and jitter.

Features

- Bandwidth availability from 2M up to 400G.
- Network diversity and redundancy options available.
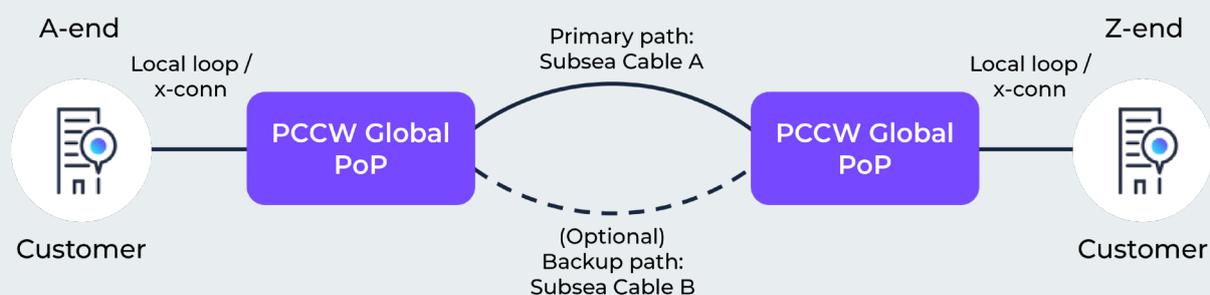- Fractional 10G/100G also available.

Access to a
best-in-class network —

Our Dedicated Ethernet service is backed by a carrier-grade network, with access to a wide range of subsea and terrestrial cable routes.

The network is scalable, reliable and backed by some of the most stringent SLAs in the business.

What sets **PCCW Global's** network apart?

Guaranteed throughput: No congestion or contention for capacity. Eliminates bottlenecks.

Greater control: Over traffic shaping, policing and performance.

Predictable & reliable: Delivers an assured quality of service with 99.9% service availability.

Ultra-capacity: Includes 140+ PoPs, 60+ subsea cables, and bandwidth capacity up to 100 Tbps.

Dedicated Ethernet
service specification —

Specification	Details
Technology	EoSDH, EoDWDM, EoOTN, MPLS-TP
Bandwidth	Committed bandwidth from 2Mbps to 400Gbps
Interface	GE, 10GE, 100GE, 400GE
Layer 2 protocol transparency	Support
Traffic route	Fixed cable route selected by customer
Protection	• Unprotected • 1+1 protected • 1+N protected
MTU size	Supports up to 9600 bytes

Dedicated Ethernet Network

A-end
Local loop / x-conn
Customer
PCCW Global PoP
Primary path: Subsea Cable A
(Optional) Backup path: Subsea Cable B
PCCW Global PoP
Z-end
Local loop / x-conn
Customer

Scaling smarter: Make the move to **Fractional 100G** —

As your need for bandwidth grows, Fractional 100G gives you a more scalable, flexible and cost-effective way to keep up with demand.

Scalable
By deploying a 100GE port, you can select 20G to 50G bandwidth in 10G steps - making it easier and quicker to upgrade bandwidth.

Flexible
Start with smaller increments and build up to full 100G capacity when you need to. It's also easier to manage as requires fewer physical ports.

Reduce cost
Fractional 100G is a significantly cheaper alternative to full 100G or Nx10G.
- Compared with deploying full 100G, you can save between 20-60% per month on recurring cost.
- Compared with deploying Nx10G, you can save between 25-65% per month on recurring cost.

Specification	Details
Technology	MPLS-TP
Bandwidth	Committed bandwidth from 20Gbps to 50Gbps (in 10Gbps Step)
Interface	100GE
Traffic route	Fixed cable route selected by customer
Protection	• Unprotected • 1+1 protected
MTU size	Supports up to 9600 bytes

PCCW Global | **console**connect

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Ready to get started?
Visit our **website** to get in touch

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