

Reliance Globalcom **Global Ethernet**

Ethernet is the world's most popular Local Area Network (LAN) technology, and it has the proven ability to satisfy data communication needs of a wide range of organisations. However, network extensions beyond the local area always require the use of complex Layer-3 Wide Area Network (WAN) solutions. As these could only be implemented using Leased lines, IP (VPN), ATM or Frame Relay transport networks, Layer-2 services were restricted to the local area only.

The Reliance Globalcom Global Ethernet service extends the benefits of the Ethernet technology to the WAN. It enables customers to create a single next generation, multi service WAN which can transport voice, video and data traffic reliably, conveniently and economically. The service also eliminates the need to have separate inflexible networks for different traffic profiles.

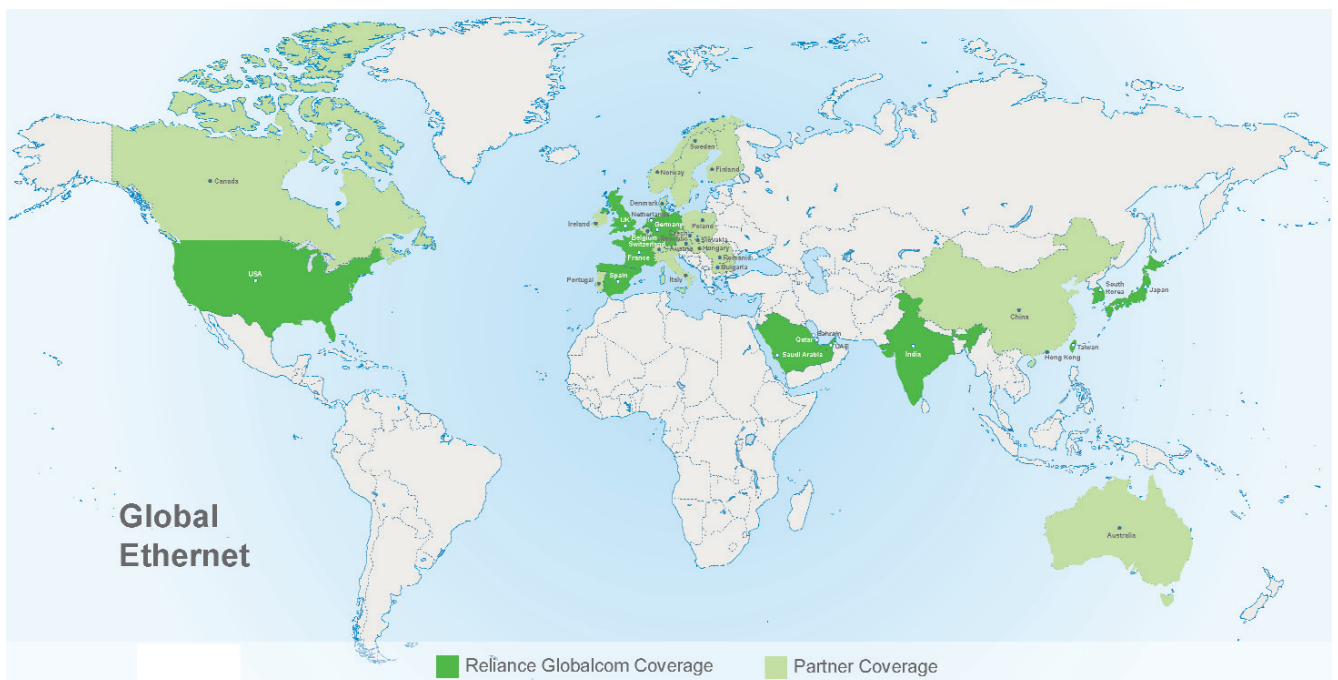
The Reliance Globalcom Global Ethernet service can be used for numerous data communication needs such as LAN/WAN extension, supporting traditional LAN services needing a global footprint and flexible IP backbone deployments. Furthermore, it can be used for content distribution, private content, remote public peering and VoIP transport as well. It also serves as an effective alternative to inflexible leased line networks.

The Reliance Globalcom Global Ethernet service significantly reduces the complexity of WAN implementation. This simplification is possible as direct interconnections to customers can be done using existing LAN equipment, without the need for additional expensive WAN Routers and CSU/DSUs.

Value and Benefits

- Secure, scalable and cost-effective alternative to Leased Lines, IP-VPN, ATM and Frame Relay based WANs
- Bandwidth scalability from 1 Mbps to 1 Gbps in 1 Mbps increments
- Sustained burst capability to improve application performance
- Up to 4 classes of service
- Fast and easy to implement WAN with online performance management portal
- One stop shop for international and domestic connectivity in 36 countries spanning 5 continents
- Protected Service delivered over Reliance Globalcom's highly resilient and high performance network backbone

Coverage



- Service delivered through massively scalable, low-latency MPLS enabled international backbone built using Reliance Globalcom's submarine cable systems. Additional resilience is achieved through capacity leases and IRUs from other cable systems on diverse paths
- Seamless extension of Metro Ethernet or EoSDH networks or customer LANs with CoS mapping
- Point-to Point, Hub and Spoke and Any-to Any connectivity as per customer requirements for optimally routing customer traffic between the sites
- Choice of variants available - Standard, Plus and Premium based on customer requirements
- Single multi service CoS enabled WAN solution for voice, video and data communication needs. Supports up to 4 classes of service to meet different application requirements
- Cost effective, highly flexible and scalable connectivity. Capacity increments of 1 Mbps as standard
- Carrier grade reliability and highly competitive service level guarantees (SLAs)
- Flat rate and usage based billing options, enabling customers to optimise cost and performance
- Supports bursting beyond CIR when usage based billing option is chosen, enhancing application performance for bursty traffic
- Variety of interface options available. Services can also support SDH interface termination* in regions where there is an absence of local Metro Ethernet access service
- Online performance management reports through portal
- Quicker provisioning (5 days) option available for on-net circuits subject to feasibility
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Features

Network Topologies

- Point to Point
- Hub and Spoke (VLAN tag based separation)
- Any to Any (VPLS)

Interfaces

- Copper: 10/100/1000BaseT/TX (RJ-45 connector)
- Fiber: 1000BaseLX/SX
- TDM*: E1/DS3/STM1
- Other options may be available on request, subject to availability

MTU

- 1518 bytes to 4.4KB Jumbo frames (up to 9KB in certain cases)

Charging Options

- Flat rate billing with fixed CIR
- Usage based billing for bursts (95th percentile model) with base CIR
- Bandwidth increments of 1 Mbps available from CIR speeds of 1Mbps to 1Gbps

Optional Features

- Online Performance Management
- VLAN Tag striping / translation
- Co-location
- Managed CPE

* Some features may not be available when using SDH interface.

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