



International Next Generation E-Line

High-speed & efficient Ethernet connections

The International Next Generation E-Line service offers a future-proof and flexible solution for LAN speed connectivity on an international basis. By extending the Ethernet standard for Local Area Networking (LAN) to Wide Area Networking (WAN), you can connect multiple locations through Virtual Private Networks (VPN) based on native Ethernet technology. You benefit from point-to-point and any-to-any connectivity, multiple service classes, scalable high-bandwidth network access, integration into a single platform and a familiar technology.

- Well-known and easy to use Ethernet technology
- Seamless interconnectivity for LAN and WAN
- Access speeds ranging from 2 Mbit/s to 500 Mbit/s
- Flexibility in changing locations and scaleable bandwidth
- Service delivered over high-capacity, international fibre optic network
- Cost effective solution with minimum investment cost
- Several service classes with near 100% throughput quality

The International Next Generation E-Line services are delivered over reliable and well-known native Ethernet technology and are thus easy to implement and manage. Virtually all networking equipment is Ethernet based so the service reduces your need for additional equipment and simplifies network operations and management. By extending Ethernet from LAN to WAN, this networking solution offers a technology already familiar to you.

A single E-Line connection can be used to link multiple locations through one or more VPNs. They can be configured to meet your specific business requirements. It's up to you to add, move or delete locations connected to the service. The bandwidth of the network access is scaleable and can be altered without the need to change equipment, interfaces or cable infrastructure. In addition your VPN is logically separated from other VPNs, therefore ensuring the same high level of security as a private line.

International Next Generation E-Line services are provided over KPN's high-capacity fibre and layer 2 MPLS international network.

They are based on a fully integrated and dedicated Ethernet core network, ensuring premium quality network infrastructure. This is demonstrated within our high service availability levels and competitive Service Level Agreements (SLA). As a customer you might wish to differentiate and prioritise some Virtual LANs (VLANs) to match the requirements of various application domains. Utilising the E-Line Class of Service (CoS) feature will enable you to implement this type of environment.

The International Next Generation E-Line service uses standard IEEE 802.1 Ethernet technology that does not restrict you to any specific manufacturers' networking product. The scalability of the network ensures that the bandwidth dimension fits your individual requirements and avoids costs for unnecessary overcapacity.



International Next Generation E-Line Service Specifications

Service available from	PoPs in: The Netherlands, Belgium, France, Germany and the United Kingdom Extended coverage across the KPN network in 22 European countries, plus to Asia and the U.S.
Access speeds	Ranging from 2 Mbit/s to 500 Mbit/s
Service elements	End to End Ethernet access Ethernet Ports At the customer location the E-Line service is delivered over regular Ethernet physical interfaces as defined by IEEE 802.1. VPN Connection between the Ethernet ports at the various locations Class of Service Guarantee on Ethernet traffic throughput and packet delivery per VPN
Classes of Service (CoS)	The following service classes are offered for the Point-to-Point/Any-to-Any VPN: Entry Throughput based on best effort Suitable for non-business critical applications Premium Throughput guarantee 99.9% (incl. all overhead frames) Typical throughput 100% - therefore suited for critical applications
Service options	Service options include: <ul style="list-style-type: none">• Redundant access• VLAN-support
MEF standards compliance	The International Next Generation E-Line service complies with MEF (Metro Ethernet Forum) standards
Network management	Proactive 24/7
Billing	International Next Generation E-Line services are billed monthly, itemized per site and VPN
Discounts	Discounts based on contract value
Contract	1, 2 or 3 year contract terms with subsequent 1 year renewal intervals
Customer care	24/7 dedicated customer care

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