

VLAN Port



- New locations are added without hardware changes at the central hub
- Several Ethernet Private Lines (EPLs) can be terminated at one VLAN Port
- Traffic from different EPLs separated by VLAN-id
- Free selection of VLAN-id to be assigned to each address
- Ethernet Private Lines terminated to VLAN Port keep all specifications unchanged

Carrier Ethernet from GlobalConnect is a series of Ethernet-based network services offering unparalleled efficiency and simplicity. Carrier Ethernet enables service providers and enterprises to establish long range private networks using the proven technology known from standard Local Area Networks (LAN).

Collect traffic from several EPLs at one common Ethernet port

VLAN Port connects you to several locations through one common gigabit Ethernet port. VLAN Port is well suited e.g. to connect a network hub or an IT-centre to a number of remote locations. Addresses may be added without the need for extra cables and ports at the network hub or IT-centre.

Freedom of choice for assigning VLAN-ids

When ordering new EPLs there are no restrictions on the choice of VLAN-id for each new connection. This

enables you to keep VLAN-ids consistent with other applications within your network. Traffic to and from remote addresses is not mixed due to unique VLANs for each address (see Figure 1).

Specifications of Ethernet Private Lines are unaffected

The excellent specifications of EPLs are maintained regardless of whether they are terminated in separate ports or in a common VLAN Port. The only precondition is that the VLAN Port is not 'overbooked' by terminating a higher total bandwidth than what is offered by the VLAN Port itself (1 Gbit/s).

Expand with other products

VLAN Port will add value and work with any combination of other Carrier Ethernet or Internet services from GlobalConnect.

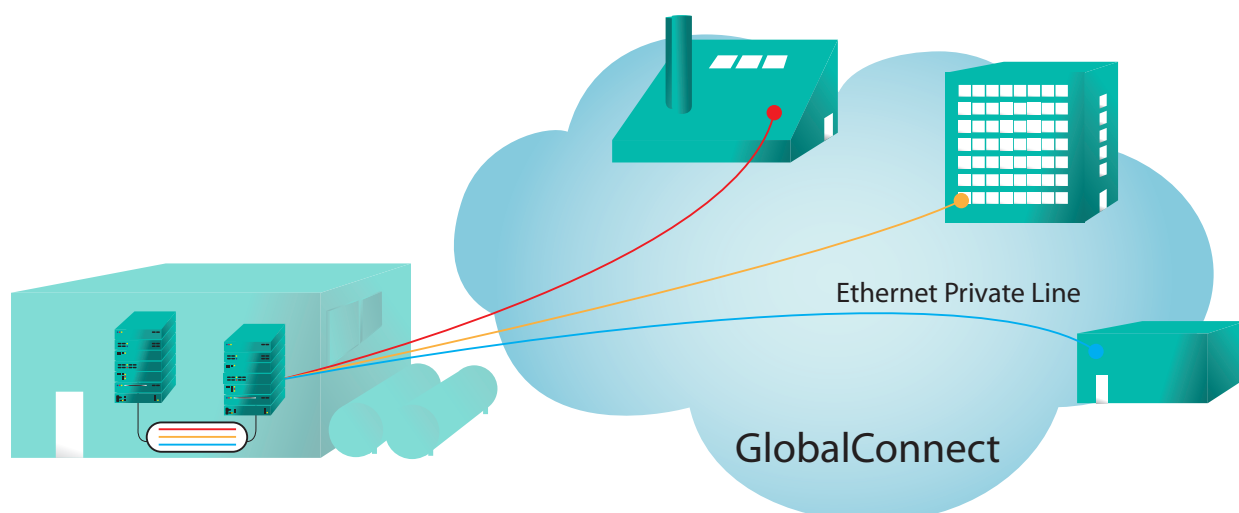


Figure 1: VLAN Port terminates multiple Ethernet Private Lines at a Gigabit Ethernet port.

Technical data

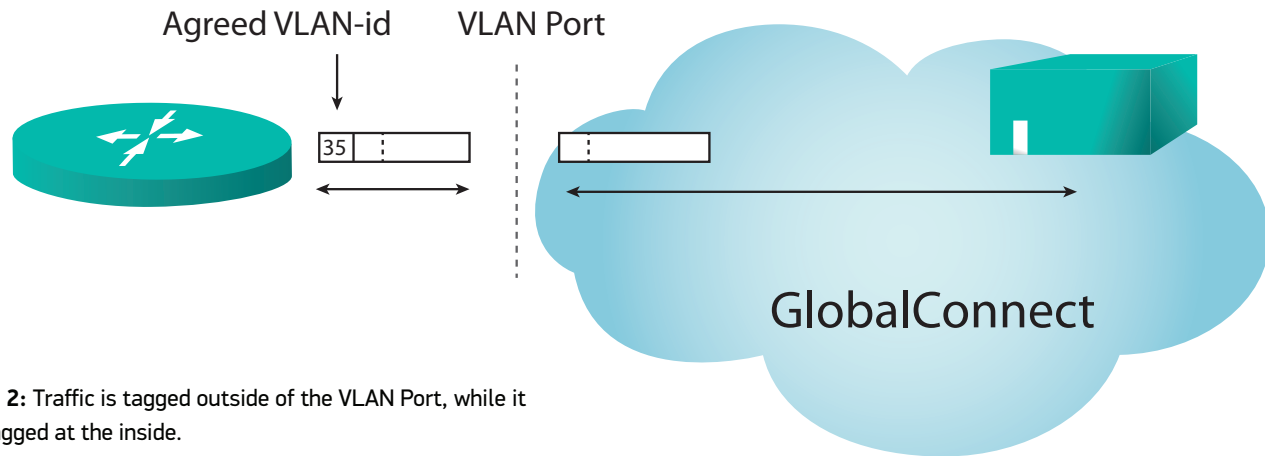


Figure 2: Traffic is tagged outside of the VLAN Port, while it is untagged at the inside.

Interface	1000BaseT 1000BaseLX
Connector	RJ45 LC/PC
Speed	1 Gbit/s
VLAN-tagging	Outer tag identifies the connected EPL. If present, inner tags are transparently sent through (see Figure 2)
Quality parameters	An EPL terminated in a VLAN Port has the same high transparency and QoS level as an EPL terminated in a separate port (see data sheet of Ethernet Private Line)