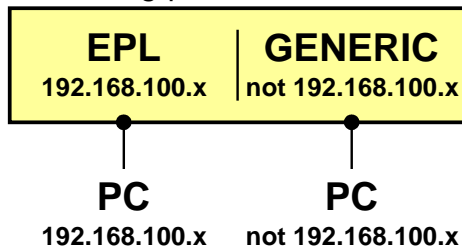


How to connect to EPL gateway?

EPL Gateway need a special environment to get working connections. Both Ports have static routings tables. EPL side routes all things that are not directed to 192.168.100.X to generic side and generic side routes all things that are directed to 192.168.100.X to EPL side. This behaviour can cause trouble when PC is connected to Gateway, because EPL side will not responds when PC has another address then 192.168.100.X. The same problems are on generic side. Following picture shows the IP assignment rules:



When both side can be pinged directly Gateway is connected OK. Now is it possible to use NAT. EPL uses 1-to-1 NAT. At the moment this is not completely implemented. Normally Gateway have to responds on ARP requests for an IP address that is in NAT table. Gateway does not have this behaviour. To use NAT please attend that NAT IP addresses are not part of PC subnet. Then it is possible to set a route to NAT network from PC.

Following screenshot shows how to setup route on PC. NAT Subnet is 10.0.100.X and Gateway address is 10.0.9.15. Gateway address have to be part of PCs subnet.

```
C:\WINDOWS\system32\cmd.exe
C:\>route add 10.0.100.0 mask 255.255.255.0 10.0.9.15
```

“route print” allows to check PCs routing table. Now route for 10.0.100.X is part of routing table. It is also possible to delete route with “route delete 10.0.100.0”.

```
C:\WINDOWS\system32\cmd.exe
C:\>route print
=====
Schnittstellenliste
0x1 ..... MS TCP Loopback interface
0x2 ..00 11 09 da d2 76 ..... Realtek RTL8139-Familie-PCI-Fast Ethernet-NIC -
Paketplaner-Miniport
0x10004 ..00 04 75 b5 6a 5e ..... 3Com OfficeConnect 10/100 Network Interface
Card (3CS0H0100B-TX)
=====
Aktive Routen:
   Netzwerkziel   Netzwerkmaske   Gateway   Schnittstelle   Anzahl
   0.0.0.0         0.0.0.0         10.0.0.1   10.0.9.1         20
   10.0.0.0        255.255.0.0     10.0.9.1   10.0.9.1         20
   10.0.9.1        255.255.255.255 127.0.0.1   127.0.0.1        20
   10.0.100.0      255.255.255.0   10.0.9.15  10.0.9.1         1
   10.10.10.10     255.255.255.255 10.0.9.1   10.0.9.1         1
   10.255.255.255  255.255.255.255 10.0.9.1   10.0.9.1         20
   127.0.0.0       255.0.0.0       127.0.0.1  127.0.0.1        1
   224.0.0.0       240.0.0.0       10.0.9.1   10.0.9.1         20
   255.255.255.255 255.255.255.255 10.0.9.1   10.0.9.1         1
   255.255.255.255 255.255.255.255 10.0.9.1   10004            1
Standardgateway:
   10.0.0.1
=====
Ständige Routen:
   Netzwerkadresse   Netzmaske   Gatewayadresse   Anzahl
   10.10.10.10       255.255.255.255   10.0.9.1         1
C:\>
```

Attention

Force never both sides of Gateway to default IP address. This will cause address conflict and one side will shut down.