

# Token Ring Networks in Ethernet Infrastructures operated by

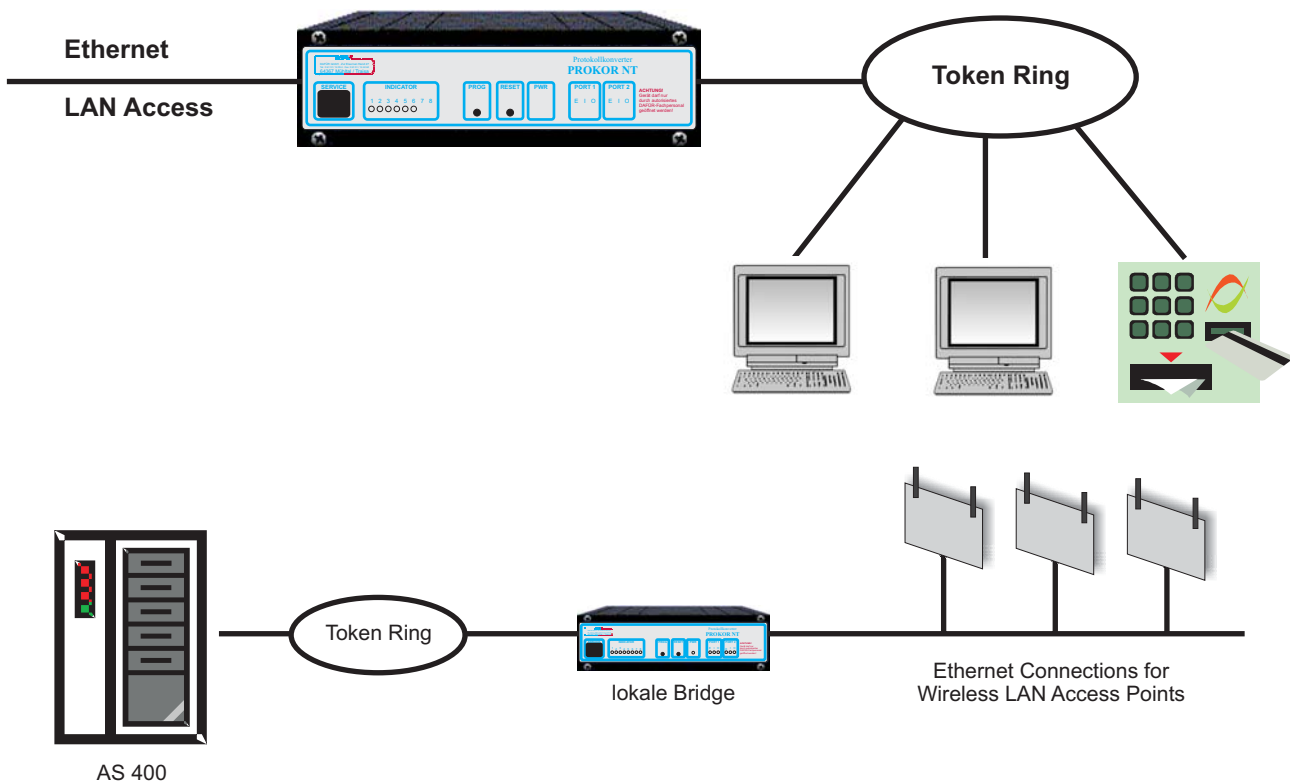
## PROKOR NT as a Token Ring- /Ethernet-Bridge

Designed as a Token Ring-/Ethernet bridge, the PROKOR NT functions as a topology converter.

Because it is equipped with an auto-learn function, the local bridge is easy to install and functions completely transparent.

DAFÜR has managed to omit many functions in a local bridge that are common in LAN bridges but not needed for converting topologies.

You benefit by getting a Token Ring-/Ethernet bridge that is easy to install and low in price.



- One system supports up to 128 access points in your LAN
- It interfaces your Token Ring world to Ethernet
- Installation is fast which saves your valuable time

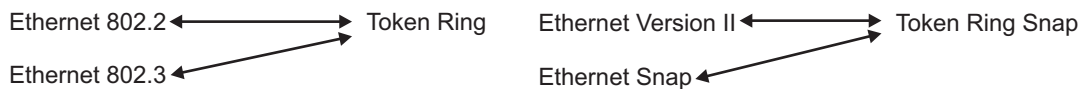
Most wireless LAN access points have their own Ethernet connections. As a local bridge, the PROKOR NT provides access to Token Ring for these devices. Even if the Token Ring connection is still available, past practice has shown that Ethernet can be installed faster and easier and is, above all, a technology better geared for the future.

## Mode of operation

To establish a connection between LAN station, hosts or servers, one of the three following frame types are required:

- Broadcast
- XID command on the data link control level
- Test commando on the data link control level

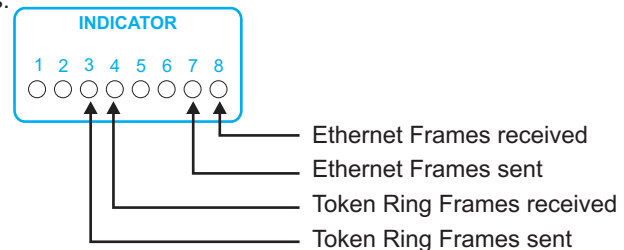
These frames are always bridged to the other network. Depending if a reply is received or not, a connection is set up in the MAC address table in the bridge, or the destination station is removed from the table. The first Ethernet frame is immediately translated into the correct Token Ring frame.



The first Token Ring frame is translated into Ethernet with both corresponding Ethernet frames translated (applies only to Broadcast; XID or test frames are transmitted immediately in the proper format). Depending on the reply in the Ethernet network, the proper frame conversion is saved for the following transfer. When a reply is received, the MAC address table with the address and the frame type to be used are updated if further frames are to be transmitted over this link.

## LED indicator

LED's on the front panel indicate data traffic in the Token Ring and in Ethernet networks.



## Technical Data

### General Information

- LED status indicator
- supports up to 500 MAC addresses
- self-teaching for the current required MAC addresses and frame type management
- no MAC address translation, the MAC addresses are forwarded unmodified
- Power supply: 230 V AC
- Power consumption: 24 Watt
- Dimensions: 223 x 380 x 65,5 mm (WxHxD)

### Ethernet interface sepcification

- Data rate: 10 Mbps
- Connector: RJ45 connector (UTP) and BNC (10 Base 2)
- Ethernet Frames: 802.2, 802.3, 802.3 RAW, Version II and Snap

### Token Ring specification

- Data rate: 4 Mbps and 16 Mbps (default)
- Connector: RJ45 (UTP) and D9 for IBM connection
- Token Ring Frames: Token Ring 802.2, 802.5 and Snap

Subject to technical changes  
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Token Ring Ethernet Bridge Prospekt\_english.cdr