



Embedded Technologies \ Networking:

Access Router

9300-RADES

Access Router integrates V90 (56k) analog modem and 4-port ethernet managed switch 10 / 100 Mbit/s.

The device offers remote access functions, dial-out functions and with pair of 9300-RADES you can arrange two sites interconnection over standard phone line.

Key features:

- **Dial-in remote access:**
Remote LAN access. Connected client acts as a member of local network (analogy to VPN).
- **PPP routing:**
You can arrange interconnection of remote sites with two units over PPP. The connection is transparent and both LANs can see each other via TCP/IP.
- **Dial-out:**
Remote site is dialed on demand from local LAN. Remote sources are then available.
- **Call-back:**
After „ring-in“ calls the unit back to caller (saves phone costs) or on defined number (security).
- **Data compression:**
Up to 40% of line throughput can be saved thanks to data compression.

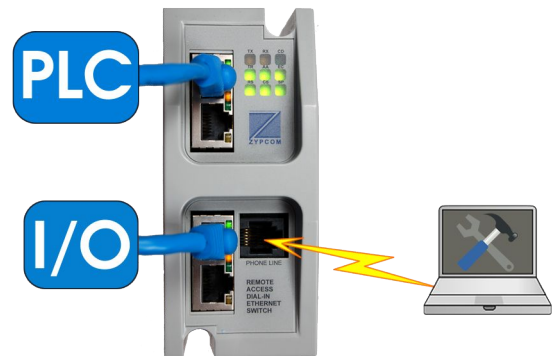


Network traffic control:

- **IGMP Snooping:**
The module supports IP-multicast commonly used e.g. for video streaming or VoIP communication. Industrial automation environment requires IGMP snooping enabled devices because it saves network bandwidth.
- **VLAN, QoS:**
Two standard features for network splitting and packet prioritization.
- **Port control:**
Speed, duplex and flow control parameters can be set for each port.

Dial-in access:

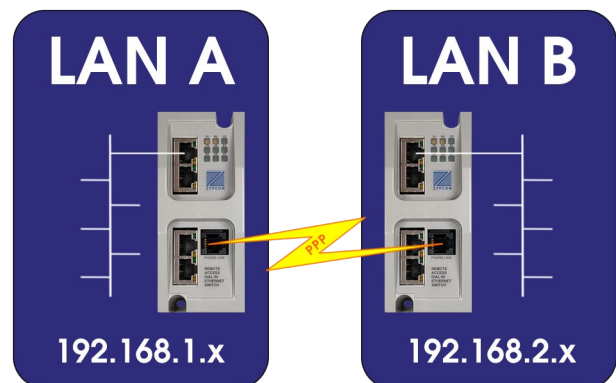
- For service purposes (remote configuration, firmware upgrade etc.).
- PLC program modification.
- Monitoring and supervision.
- Data collecting
- VPN alternative in the case where the customer's policies are too restrictive.
- Call-Back function can cumulate phone costs on one point



Dial-in: Service access to the remote site

Routing over PPP:

- Two sites interconnection over standard phone line.
- The link is transparent and members from LAN A can see members in LAN B and vice versa (routing).
- More destinations can be defined. The dialing is done automatically according the requested IP address.



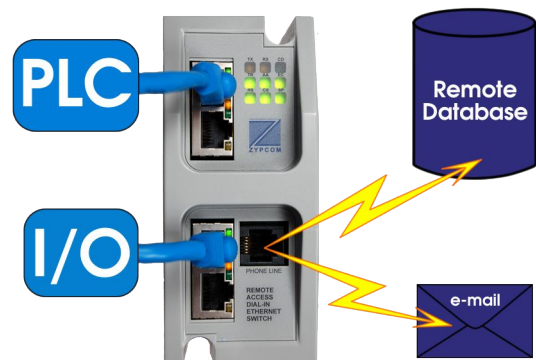
Routing over PPP: Two sites link

Dial-out access:

- When an request for remote site comes from local LAN the unit dials appropriate phone number and sets up the connection.
- The hang-up time-out is adjustable.

Parameters:

- DHCP server
- UDP setup
- WWW configuration, FTP, Telnet, Windows Flash application
- DIN rail montage
- Power supply 8 - 48V DC or 230V adaptor
- Industrial design



Dial-out: Remote database access, e-mailing



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