

# Transparent Modem Upgrade

## Find 4 solutions for Replacing Point-to-Point Analog Modems

### connection Description

Point to Point Analog Modem Connections between Devices and Central Servers have several drawbacks. List them and describe 4 innovative and smooth solutions to solve them.

PSTN subscription required

Maintenance problems due to proprietary software



Billing problems when the phone line is shared

n modems required for n devices simultaneously connected!

### solution #1 *ISP way*

Use eDmod100 Analog Modem with Embedded TCP/IP stack to transfer data over Internet after connecting to a standard Internet Service Provider

No changes required on the AT device driver!

LAN modem allows to keep the same software

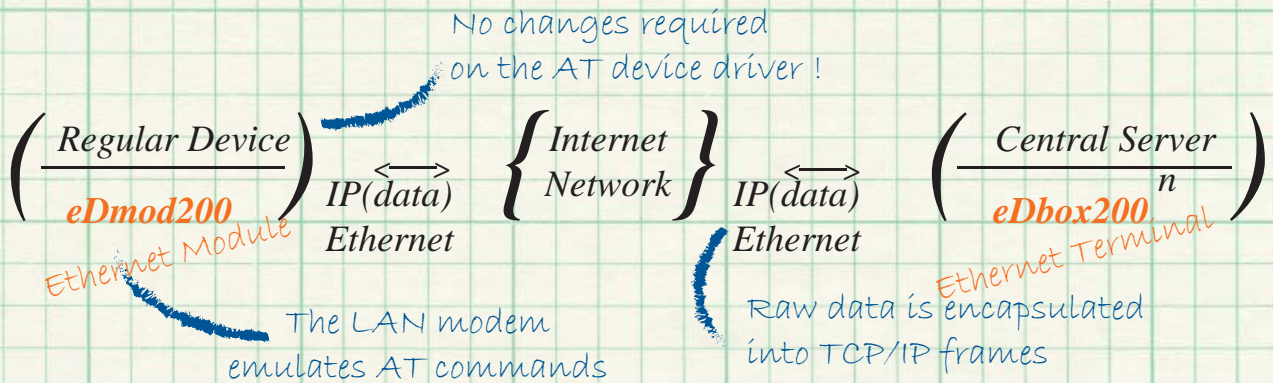


The Internet modem establishes a PPP connection to the ISP

Raw data can be encapsulated into TCP, POP3, FTP frames

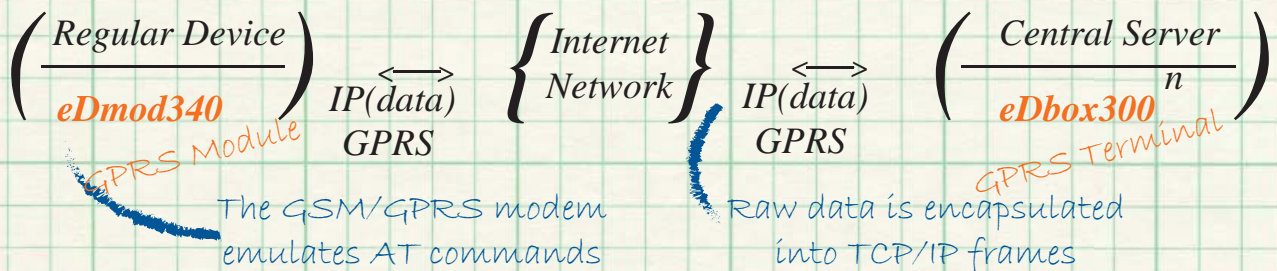
## Solution #2 Ethernet way

Using eDmod200 Ethernet Modem with AT command emulation to transfer data over LAN



## Solution #3 GPRS way

Using eDmod300 GPRS TCP/IP Modem with AT command emulation to transfer data over GPRS



## Solution #4 GPRS way without changes!

Using BridgeD130 GPRS2PSTN Converter solution to transfer data over GPRS without any hardware or software changes

