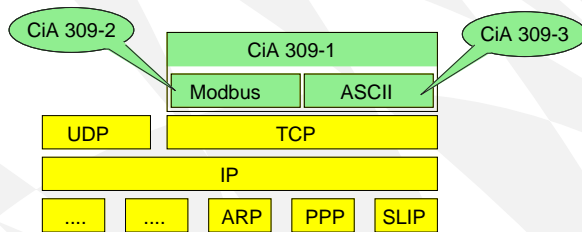


# CANopen Gateway Server CiA 309-3

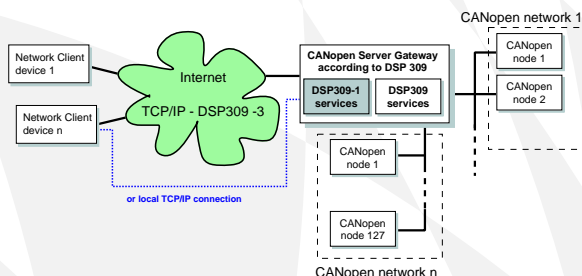
## Overview

The subject *Ethernet access* down to the fieldbus layer is intensely discussed. The CANopen Gateway Server provides the solution of Ethernet access down to the fieldbus layer right now and relies on the current and field proven CANopen technology.



## Description

With the specification CiA 309 the CiA provides a standardized solution to access a CANopen network through an Internet (TCP/IP) connection. The CANopen Gateway Server realizes a complete Class 3 CANopen Manager node.



It can operate on an arbitrary number of TCP/IP clients and CANopen networks. The CANopen CiA 301 services NMT, SDO, PDO, EMCY, Heartbeat and Nodeguarding are supported as described within the CiA 309-1.

With the SDO domain transfer services it can carry out up and downloads of firmware or any other data like images. Additionally it acts as LSS master and allows complete configuration of unconfigured devices.

The CANopen Gateway Server can be used as ready to use CANopen application to setup a graphical interface to access a CANopen network like it is done with the company's proprietary CANopen Device Monitor. Instead of a general purpose CANopen monitor interface complete user applications can be developed that

provide maintenance and service menus to administrate or configure the CANopen nodes in CANopen networks.

Special purpose applications can be built with the source code of the CANopen Gateway Server. It allows the extension of the CiA 309-3 command interface to provide further functionality to access other devices that are connected via RS232/RS485 or parallel interfaces.

## CAN-Interfaces

The usage of the CANopen Gateway Server requires a CAN interface. CAN interfaces are currently available for USB, ISA, PCI, parallel port, serial port and PC-104 or an Ethernet interface. The CANopen Server is available for the standalone Ethernet gateways EtherCAN of *port* and IGW900 of SSV.



EtherCAN

IGW900

CPC-USB

## System Requirements

Operating System: Windows™ 2000, XP, LINUX™, Embedded systems  
Processor: any (>= 16 Bit CPU)  
Software: TCP/IP protocol stack or serial interface

## Ordering Information

0644/03	Source Code
0644/11	PC Software for Level-X
0644/17	PC Software for CPC-PCI
0644/18	PC Software for CPC-USB
0644/19	PC Software for Linux
0644/22	Software for Beck IPC@Chip SC1x3
0644/29	PC Software for Kvaser CANlib
0644/22	PC Software for JANZ PCAN
0540/08	EtherCANopen gateway
0850/03	IGW/900 gateway