

CODESYS communication: Limited data size between PLC and CODESYS IDE

Limitation

In a (f.e. WireShark) recording between the communication of a PLC and the CODESYS IDE (Integrated Development Environment), it can be seen, that this communication is limited to a maximum data size per packet of **550 bytes**.

Example: 3979 0.000037 192.168.1.120 1740 192.168.1.9 1740 UDP 550 1740 → 1740 Len=508

Reason:

The data size is fixed, because the CODESYS routing protocol for communication must not only take UDP communication into account, but must also be able to support CAN, serial and/or USB connections.

In addition, any communication must be considered which refer to devices without a memory, for which 512 bytes + header would be already too large, in order to be able to guarantee error-free communication.

This maximum data size cannot be changed or increased.
