

Use eWON as ISOTCP to MPI-Profibus gateway

eWON can act as transparent ISOTCP to MPI gateway.

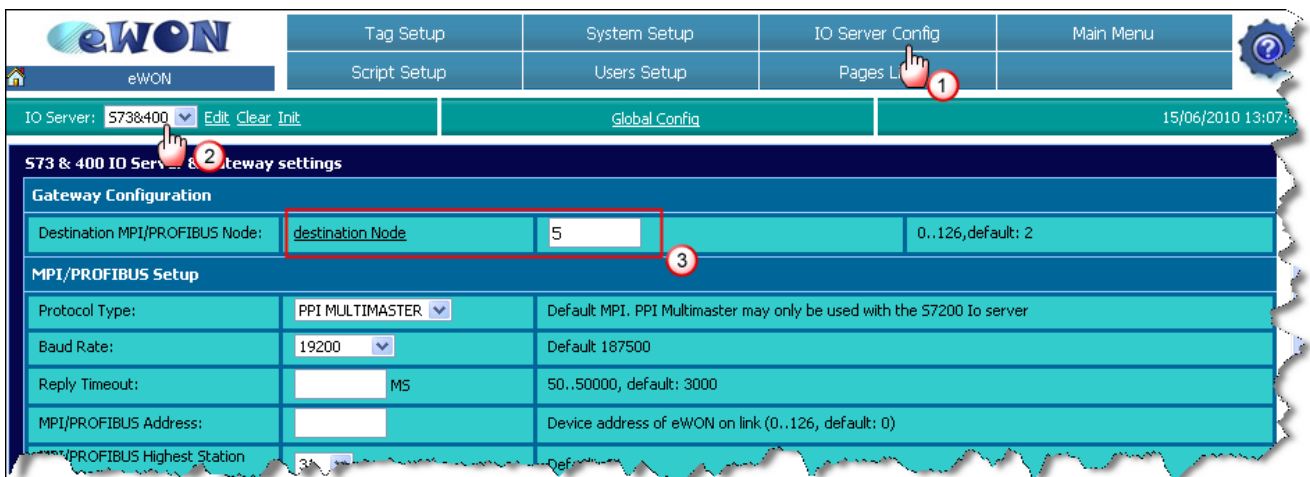
To achieve this, the software which will use eWON as gateway must be able to specify the MPI node to reach behind the eWON. This means that the ISOTCP frame sent to the eWON contains the MPI address of the target device. In terms of ISOTCP protocol we speak then about the use of a long TSAP.

Step7 for example allows this. So using Step7 you can reach several MPI/Profibus PLC behind the eWON on the same time.

Most of the IO Servers do not allow to specify the MPI node to reach behind the ISOTCP node. So the frame sent to the eWON does not contain the MPI address of the target device. In terms of ISOTCP protocol we speak then about the use of a short TSAP.

In this case, to use eWON as gateway the client must first declare in the eWON the MPI/Profibus destination node. The destination node is the MPI/Profibus address to which eWON will send all the ISOTCP request received with a short TSAP.

The destination node can be defined in the IOserver configuration page:



Drawback: When the software uses a short TSAP, then the software will only be able to reach one MPI device on the same time. To be able to reach on other device, the customer will first need to change the destination node in the eWON IO Server configuration page.

Revision

Revision History

Revision Level	Date	Description
1.0	15/06/2010	Creation of document

Document build number: 4

Note concerning the warranty and the rights of ownership:

The information contained in this document is subject to modification without notice. Check <http://wiki.ewon.biz> for the latest documents releases.

The vendor and the authors of this manual are not liable for the errors it may contain, nor for their eventual consequences.

No liability or warranty, explicit or implicit, is made concerning the quality, the accuracy and the correctness of the information contained in this document. In no case the manufacturer's responsibility could be called for direct, indirect, accidental or other damage occurring from any defect of the product or errors coming from this document.

The product names are mentioned in this manual for information purposes only. The trade marks and the product names or marks contained in this document are the property of their respective owners.

This document contains materials protected by the International Copyright Laws. All reproduction rights are reserved. No part of this handbook can be reproduced, transmitted or copied in any way without written consent from the manufacturer and/or the authors of this handbook.

eWON sa, Member of ACT'L Group