

# 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 IOServers 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.

<b>NON</b>	Tag Setup	System Setup	IO Server Config	Main Menu 🏼 🧑
eWON	Script Setup	Users Setup	Pages L	
IO Server: 573&400 💌 Edit Clear Init		Global Config		15/06/2010 13:07
573 & 400 IO Ser 20 teway	settings			
Gateway Configuration				1
Destination MPI/PROFIBUS Node:	destination Node	5	0126,def	ault: 2
MPI/PROFIBUS Setup		3		
Protocol Type:	PPI MULTIMASTER 💌	Default MPI. PPI Multimaster may only be used with the 57200 Io server		
Baud Rate:	19200 💌	Default 187500		
Reply Timeout:	MS	5050000, default: 3000		
MPI/PROFIBUS Address:		Device address of eWON on link (0126, default: 0)		
PROFIBUS Highest Station	3 marshare and	- Leeformer And	and proved and	a har and harry

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 IOServer configuration page.



## Revision

### **Revision History**

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

### Document build number: 4

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