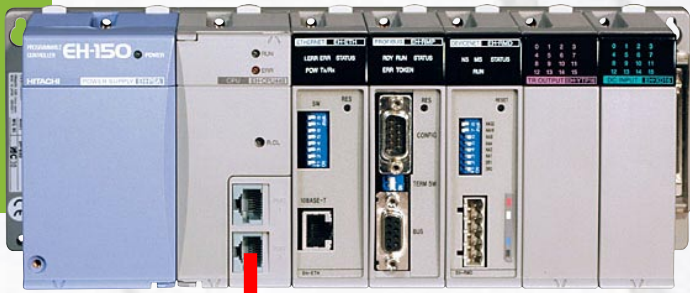
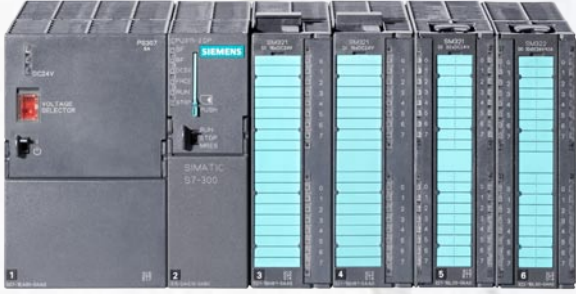


New



Serial



OPC SERVER
FOR IRT !!!



Ethernet

UniOP as Gateway for UniNET OPC Server

UniOP™

How to connect UniOP on Ethernet...

The UniOP HMIs have an option slot available where a communication card can be placed. To connect to an Ethernet network, a TCM10 or SCM11 card must be used. These cards are delivered with a DB9 / RJ45 interface necessary to connect the cable.

Why Ethernet ?

Thanks to the Exor developer team, some very powerful features were already available :

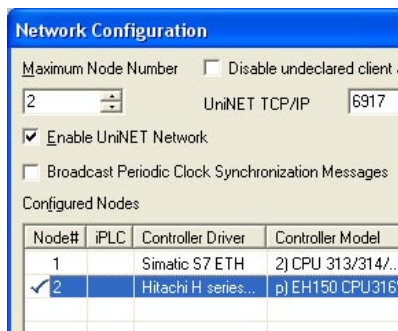
- Ethernet communication with some important PLC manufacturers like Siemens, Rockwell, Schneider, Hitachi, Festo and some others...
- Data exchange through Ethernet UniNet network between each connected UniOP HMI and their PLC.
- Data exchange between UniNet network and Windows applications thanks to the free delivered UniNet OPC Server.

Ethernet is more and more used on the factory level to communicate with local HMIs or upper host supervisors.

How to Configure ?

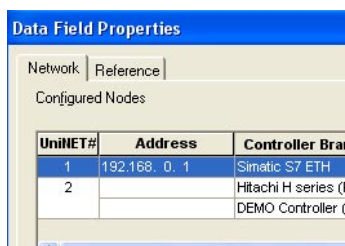
Configuration of the UniNET network is in fact very easy : only some mouse clicks...

- Open "Project / Network setup..." and select "Ethernet" network type
- Select in the next window the configuration type (in case of UniOP used as Gateway, you probably have to select "mixed multiple server, Multiples clients"), click «next» and «configure»
- Add in the next window the different HMIs (and their PLCs) connected on the network and give, for each of them, the IP address used by the UniNET node.
- When the network configuration is done, don't forget to «enable UniNET network». You can easily export this configuration to import it into the next HMI node project.



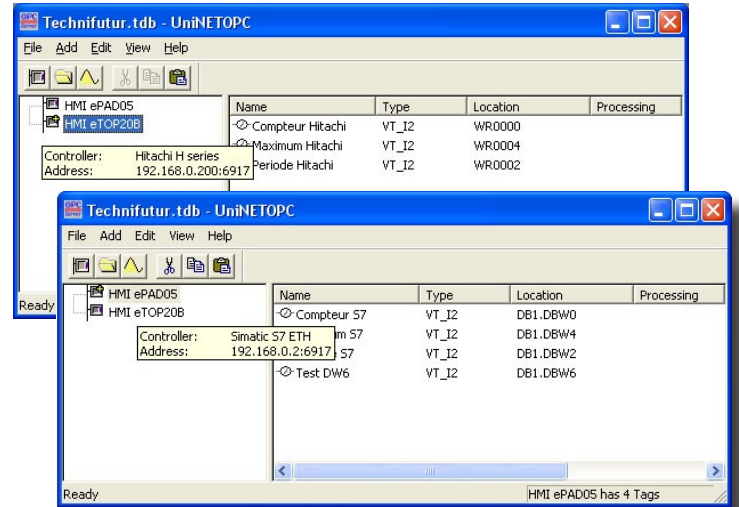
How to use the UniNET network ?

Thanks to this UniNET network, you can, on each connected HMI, show data from the local PLC or from PLC connected through another UniNET node. You can also exchange data from one PLC to another...



UniNET OPC Server...

This UniNET OPC server (OPC : OLE for Process Control) is free delivered and installed together with Designer software. Thank to this OPC, you may collect (read and write) data from the PLCs connected on the UniNET panel nodes. The HMI acts, in this case, as a local user interface but also as a gateway between factory (PLC level) and IT (PC and Windows level).

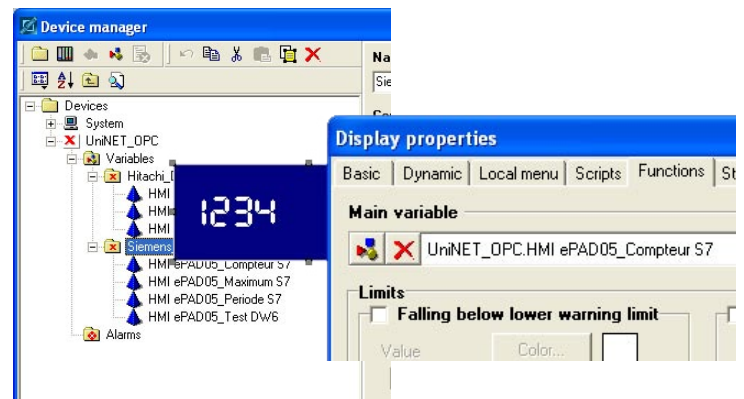


For each UniNET node, you can define a new device in the OPC server and configure the different variables available for the OPC connexion. Please note that OPC is passing through the panel to access the PLC data : there's no need to define these variables into your HMI project, no need to download a new project if you add some variables in the OPC !

How to use the UniNET OPC Server ?

The UniNET OPC server will make the defined PLC variables available for any OPC client software like :

- a SCADA package like Reliance
- a Visual Basic application
- an Excel sheet...



Your Benefit...

Thanks to this feature, you can, for example :

- Interconnect some PLCs from different manufacturers and exchange data between all of them
- Make a gateway between factory level and IT
- Collect data from the field with a unique and FREE DELIVERED UniNET OPC Server
- Take benefit at the same time of the HMI located on the machine.