

APPLICATION NOTE

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Product Family: GS Drives Number: AN-GS-009

Subject: Connecting a GS drive as a Modbus Ethernet slave via Digi PortServer TS4 and

KEPserverEX v4.0

Date Issued: 8/04/03

Revision: Original

Specifications

Drive: Various GS series

Software: Digi Port Authority – remote

http://www.digi.com/

Ethernet to Serial Converter: Digi Port server TS 4 MEI

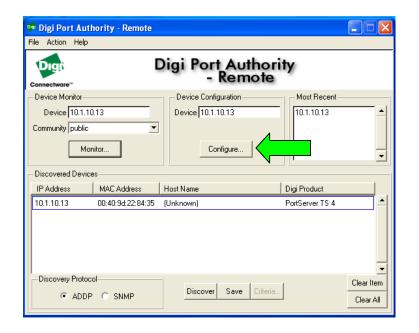
OPC Server: KEPserverEX v4.0

http://www.kepware.com/



Application Description

The user wants to connect GS drives over the Ethernet with other Modbus devices like loop controllers and meters without a PLC connected directly to a third party OPC/DDE compliant client software package. One method is to use the Digi port server TS4 MEI connected to KEPserver EX v4.0. This will allow the user to connect up to 4 GS drives on one port server. This will also allow the versatility of having mixed devices types in addition to the drive control.



Follow the Digi Port manual in assigning an IP address to the Digi Port server TS4.

Go to configure to set-up up server for Modbus control.

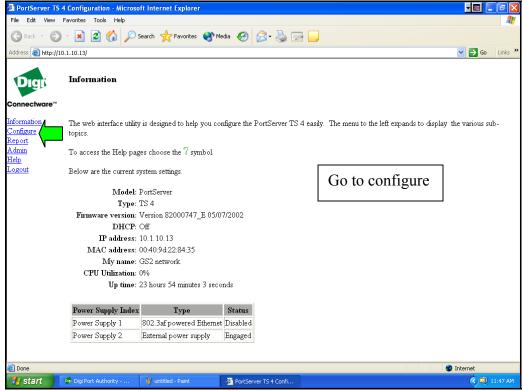


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Sign into the Port server with "root" being the user name and "dbps" being the password.

All the Port servers use this as a default user name and password.



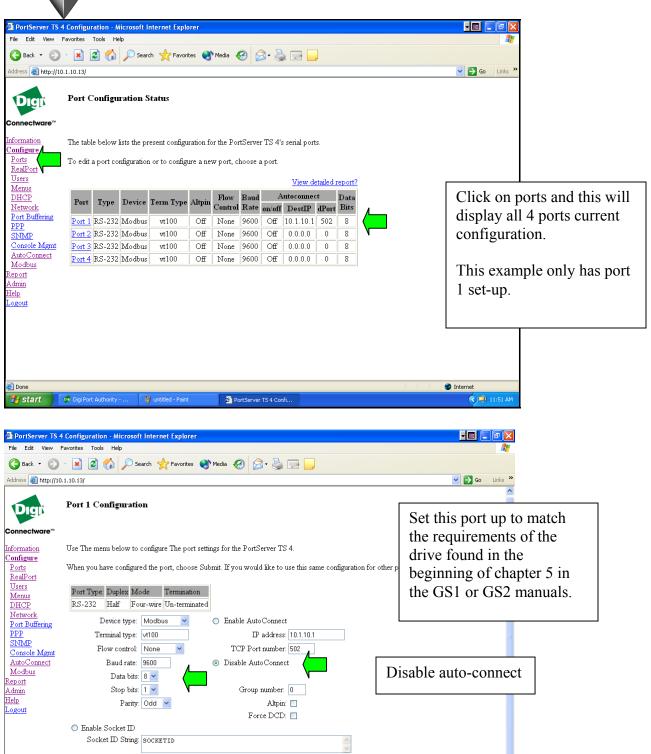


Disable Socket ID

Done

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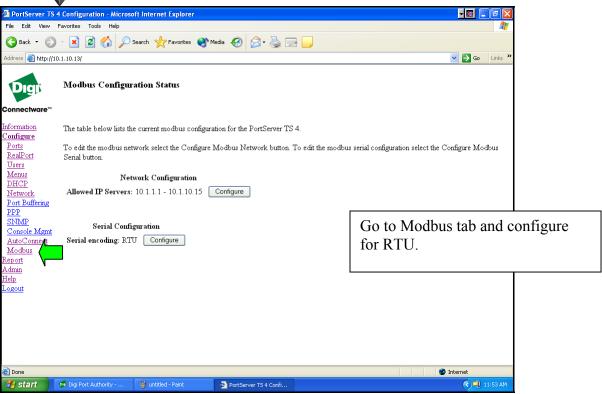
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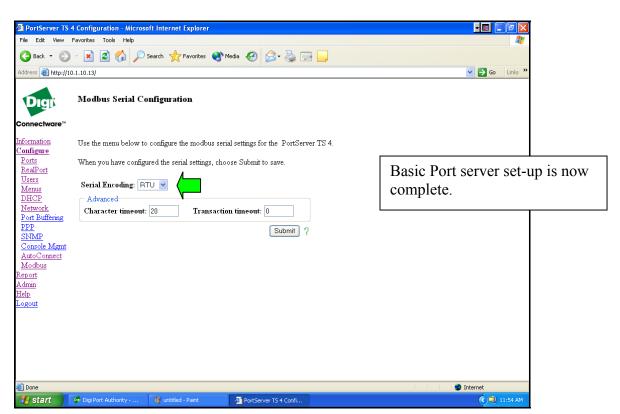


Factory Default Clone... Submit ?

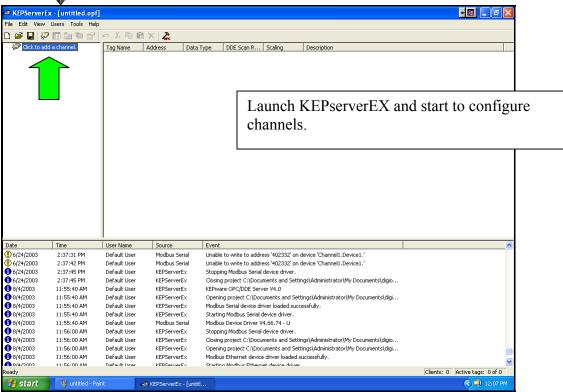
PortServer TS 4 Confi

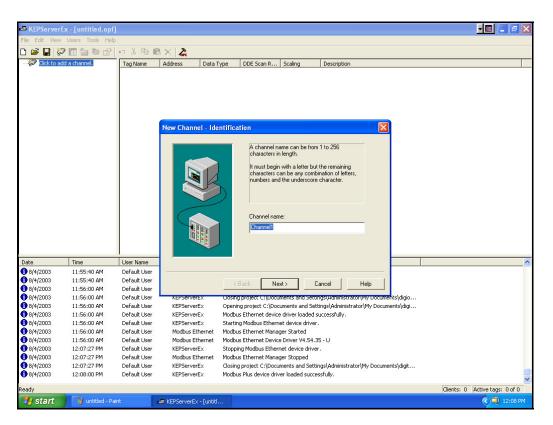




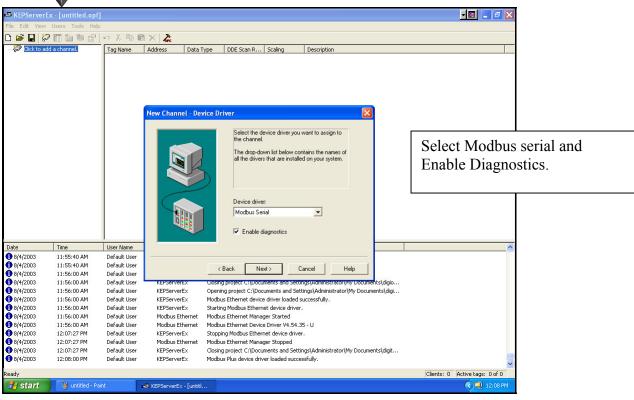


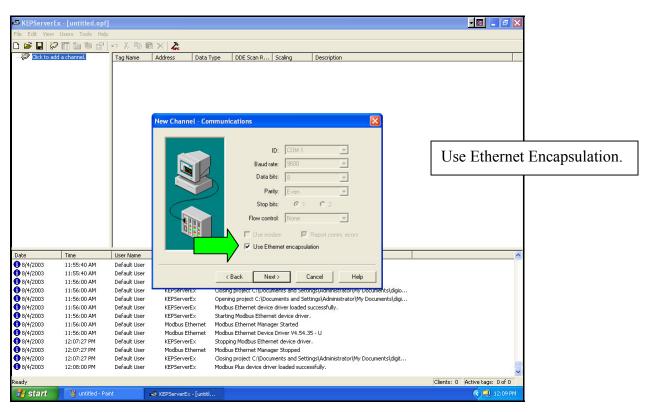




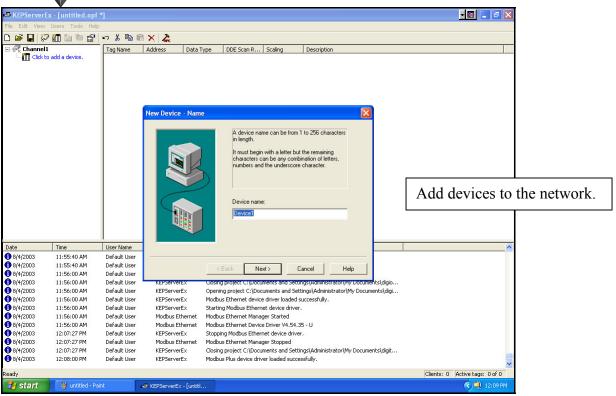


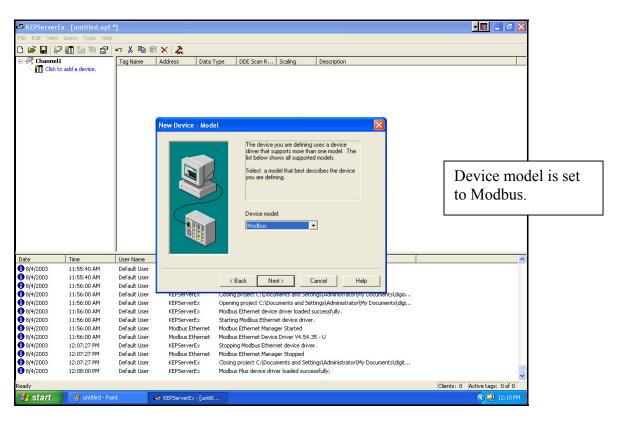




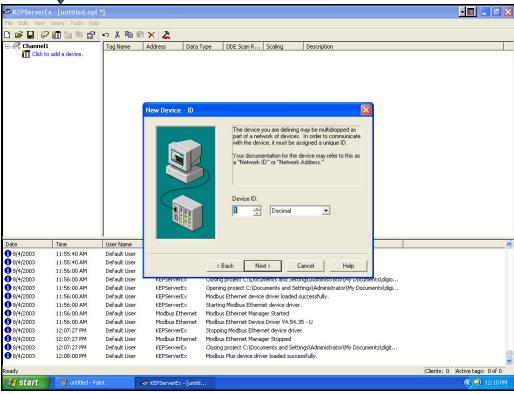


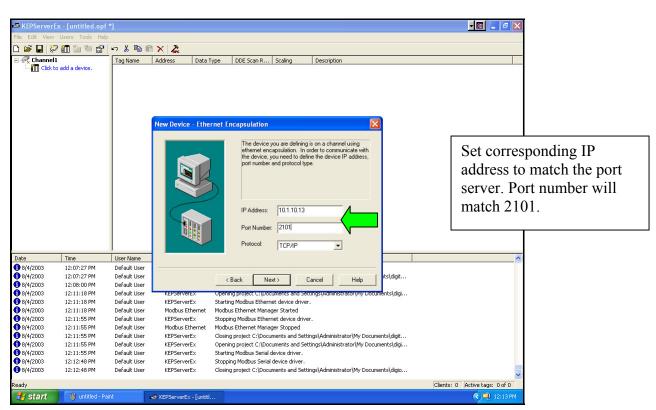




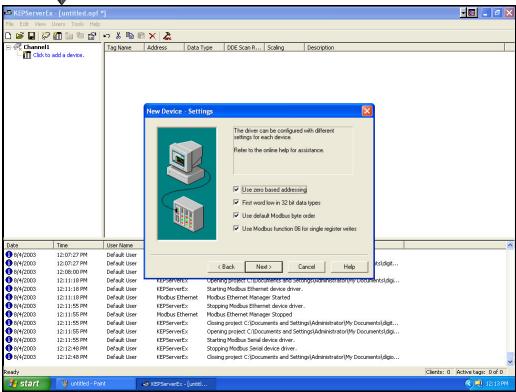


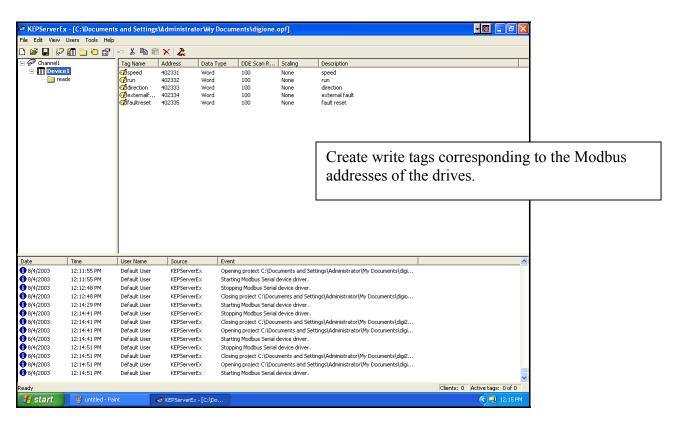




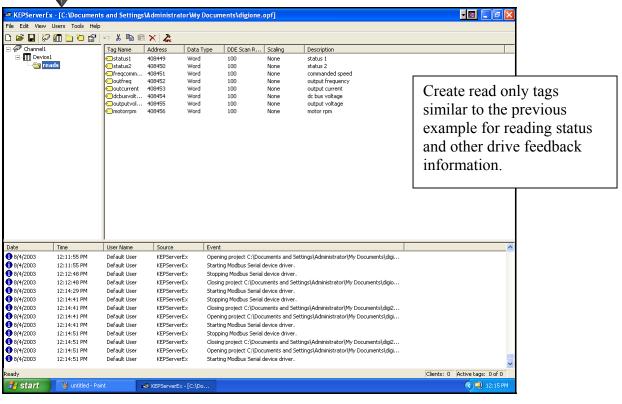


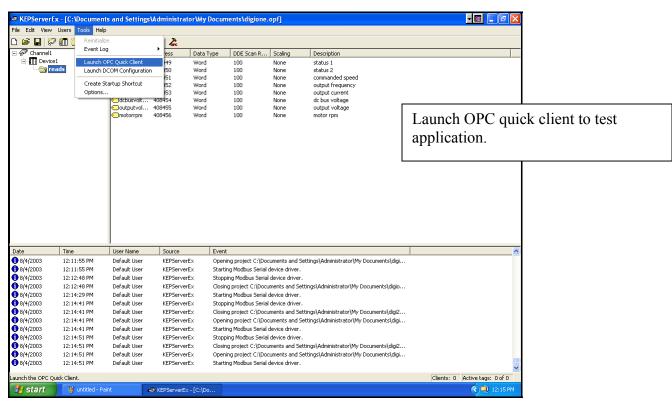






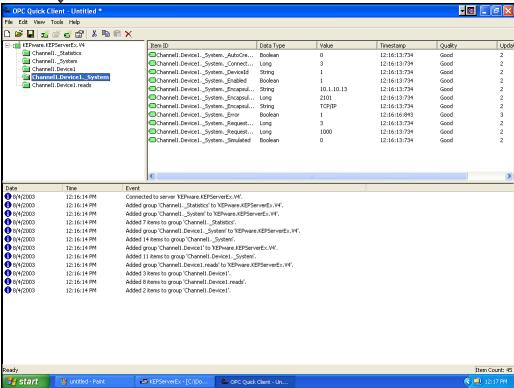








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Technical

Assistance: If you have questions regarding this Application Note, please contact us at 770-844-4200 for further assistance.