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ΤΑΓΚΑΛΑΚΗΣ ΔΗΜΗΤΡΗΣ ΣΥΣΤΗΜΑΤΑ ΕΛΕΓΧΟΥ & ΑΣΦΑΛΕΙΑΣ, ΠΕΡΙΚΛΕΟΥΣ 17 ΝΕΟ ΨΥΧΙΚΟ 15451 ΑΘΗΝΑ, ΑΦΜ 036831038 ΔΟΥ ΨΥΧΙΚΟΥ

DS100R Serial Device Server

Features:

Provides a bridge between the 10BaseT Ethernet and the RS232 port

Allows to connect RS232-based Products to the Network

Supports a subset of a standard TCP/IP protocol stack

Ideally suited for Devices utilizing Command/Reply- style (packet-based) serial communications protocol

Flexible, has many adjustable functioning parameters and internal non-volatile memory to keep them

No changes to the original Serial Device's communications protocol required

Supplied with a Virtual Serial Port Driver (VSPD) for Windows-existing PC software can be used without any modification too

Features compact, attractive design (dimensions only 95x57x30mm)

Fully compatible with the EM100 Embedded Ethernet Module

Internal firmware can be upgraded in the field

FCC/CE approved

Description:

The DS100R is an easy-to-use Ethernet-to-Serial Converter that allows you to connect any existing RS232-based Device to the 10BaseT Ethernet LAN. There are several ways in which you can communicate with the DS100:

COM port redirection. If you want to continue using existing PC/Windows software (that was meant to communicate with your Serial Device directly, via the RS232), then our Virtual Serial Port Driver (VSPD) is the solution for you. VSPD creates a number of Virtual Serial Ports on your PC. Each port works exactly like a normal hardware port but in reality reroutes the data via the TCP/IP network. With the VSPD installed you can continue using your PC software as if your Serial Device was still attached to the PC's Serial port.

Direct Socket Communications. If you are creating your own PC software, then you can communicate with the DS100 directly. Modern software design packages like *Visual Basic* from Microsoft make it extremely easy to send and receive UDP packets. Our Application Note Using VB to communicate with the DS100/EM100 provides a detailed information on this subject.

Virtual Serial Link. If you are using a non-PC device to communicate with the DS100 or your PC is not running Windows, then you can use two DS100's to form a virtual serial link over the TCP/IP network. This way you will still have a simple RS232 interface on both sides of the link.

Applications:

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The DS100 can be used to network-enable many existing Serial Devices, such as...

- Data collection & security terminals:
    - Access Control Terminals
    - Security Devices
    - Time Recorders
    - Warehouse Terminals
    - Shop floor automation Terminals

- Remote Sensors & Meters:
    - Power monitors
    - Power meters
    - Environmental monitors
    - Temperature monitors
    - Data loggers

- Auto-ID Scanners:
    - Barcode Scanners
    - Magnetic Card Readers
    - RFID Readers

- Electronic Signboards

- PC-less entry systems

- Low-cost educational systems

- Vending Machines

- POS Systems

- Laboratory instruments

- Serial printers

- PBX Stations

- and many, many others..

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