

# IALink(Industrial Automation Link) Series, IALink100

Serial-Ethernet Device Server for Industrial Application

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## Features

- Connects legacy serial devices to 10Base-T Ethernet network
- Supports RS232/422/485 based serial devices via screw terminal block
- Transfers serial data at a rate up to 115 Kbps
- Supports multiple serial devices through RS422/485
- Can be mounted on DIN-rail mounting rack
- PPPoE protocol for ADSL connection to broadband Internet
- Supports powerful Ethernet modem function
- Static key based 3DES data encryption
- Configuration via telnet or serial console port
- Management software for configuration and administration

The IALink100 is a Serial-Ethernet Device Server that makes your legacy serial devices manageable through an industry-standard Ethernet network. Based on open network protocols such as TCP/IP and UDP, it gives you ultimate flexibility to your serial devices used in various industrial automation applications. With the PPPoE(PPP-over-Ethernet) connection feature of the IALink100, the RS232/422/485 serial devices could be managed over a DSL-based broadband Internet.

The IALink100 is designed to meet the requirements for various industrial applications. It can be easily mounted on to a DIN-rail mounting rack, and it supports screw terminal block interface for power-supply and serial interface.

You could easily configure and administrate the IALink100, with its full-featured management functions, including the status monitor, the remote reset, the system log monitor, and firmware upgrade using Telnet and the serial console port under password protection support. In addition, utilize the IP address filtering function to protect against unintentional data streaming transmitted to the IALink100, and the static key based 3DES data encryption to promise secure data communication.

Typical application areas of the IALink100 are:

- Data collection from sensors
- Machinery control
- Monitoring machine status and manufacturing progress
- Machinery diagnosis
- Machinery configuration
- Downloading firmware
- Alarm notification

The IALink100 would be an ideal Ethernet-enabling solution for you in connecting your RS232/422/485 based industrial devices to the Ethernet easily, as well as cost-effectively.

### Specifications

<b>Serial Interface</b>	Screw terminal block connector Serial speeds 1200bps to 115Kbps Flow control: Hardware RTS/CTS Signals: RS232: Rx, Tx, RTS, CTS, DTR, DSR, GND RS422: Rx+, Rx-,Tx+, Tx- RS485: Data+, Data-
<b>Network Interfaces</b>	10 Base-T Ethernet with RJ45 Ethernet connector Supports both static and dynamic IP addresses
<b>Protocols</b>	ARP, IP/ICMP TCP, UDP Telnet DNS, SMTP DHCP client PPPoE
<b>Security</b>	User ID & Password IP address filtering Data Encryption: Static key based 3DES
<b>Management</b>	Telnet or serial console port or HelloDevice Manager Firmware: Stored in Flash memory and downloadable via serial console port or Telnet

<b>Diagnostic LED</b>	2 for Power, Ready 2 for 10Base-T Link, Act 2 for Serial Rx, Tx
<b>Power</b>	DC power supply via Screw terminal block Supply voltage = 7.5 ~ 30 VDC accepted Supply current = 350mA (nom.)
<b>Environmental</b>	Operating temperature: 5°C to 50°C Storage temperature: -40° to 66°C
<b>Physical properties</b>	Dimension (LxWxH) 100x 50 x 68(mm) 3.9x 2.0x2.7 (in.) Weight: 290g
<b>Approvals</b>	FCC(A), CE(A), MIC
<b>Warranty</b>	5-year Limited Warranty

### Ordering Information

**IALink100** Industrial Serial-Ethernet Device Server

**Includes** Quick Start Guide  
CD-ROM for configuration utility, drivers and manuals  
Serial console cable

**U.S. / Canada / South America**

Tel : +1 (408) 573-7425 Fax: +1 (408) 907-3738

**EU / Africa**

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